

GREATER SAN DIEGO

S&E  
EF

SCIENCE &  
ENGINEERING  
FAIR

gsdsef.org

# The 71<sup>st</sup> Annual GREATER SAN DIEGO SCIENCE & ENGINEERING FAIR

BALBOA PARK ACTIVITY CENTER  
MARCH 11 - 16, 2025

## INFORMATION AND STUDENT EXHIBITOR DIRECTORY

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SAN DIEGO  
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san diego county office of  
EDUCATION  
FUTURE WITHOUT BOUNDARIES<sup>™</sup>

## Welcome to the 71<sup>st</sup> Annual Greater San Diego Science and Engineering Fair!

<b>2025 GSDSEF Schedule of Events</b>	
<b>Tuesday, March 11, 2025</b> <b>Sign In and Project Set Up Day</b>	<b>Project Sign in and Setup Day at the Balboa Park Activity Center (BPAC) 2145 Park Blvd., SD</b> <ul style="list-style-type: none"> <li>• Sign in and set up projects: 1 pm to 7 pm. Bring (1) a foldable chair labeled with your name to use when not speaking to judges, (2) backboard, (3) notebook, and (4) any props. <i>Check website for items that are not allowed.</i></li> <li>• Pick up pre-ordered T-shirts. Purchase GSDSEF souvenirs at the Store.</li> </ul>
<b>Wednesday, March 12, 2025</b> <b>Judging Day</b>	<b>Judging Day – Balboa Park Activity Center</b> Only Students/Judges allowed during judging! <u>ALL</u> Students Exhibitors must be present throughout judging, <b>UNTIL THE END OF ALL JUDGING</b> . Dress in appropriate business-like attire. Flat shoes recommended. <b>WEAR YOUR NAME BADGE! It is necessary to enter the BPAC.</b> <ul style="list-style-type: none"> <li>• 7:15 to 8:00 am Student drop off. <b>BRING YOUR LUNCH!</b> No food allowed in the BPAC except to store lunches</li> <li>• 8:00- 11:30 am: Categorical Judging</li> <li>• 11:30 am to Noon: Student lunch break. Food is NOT available for purchase and you will NOT be permitted to leave to buy any.</li> <li>• 10:00: 2:00 pm: Professional Society Judging</li> <li>• 12:30-3:00 pm: Grand Awards Judging</li> <li>• 3:00-3:30 pm: Student pick up</li> </ul>
<b>Thursday, March 13, 2025</b> <b>See you at the Awards Ceremony!</b>	<b>BPAC Closed to Public</b> <b>Awards Ceremony 6pm – 8:30pm (Doors open at 5:30 pm)</b> <a href="#">The Observatory North Park, 2891 University Avenue, San Diego</a> <ul style="list-style-type: none"> <li>• No awards will be announced until the ceremony. ALL students receive an award.</li> </ul>
<b>Friday, March 14, 2025</b> <b>School Tours</b>	<b>BPAC Closed to Public-</b> <ul style="list-style-type: none"> <li>• School Tours- Schools may bring students to view the projects. 10am-2pm. No reservations necessary.</li> </ul>
<b>Saturday, March 15, 2025</b> <b>BPAC Open to Public</b> <b>Project Takedown Day 1</b>	<b>BPAC Open to Public – 10 am – 1 pm</b> Admission and Parking are FREE. The whole family is welcome to view projects in the BPAC! <b>Project Take-Down (Day 1) 1 pm-3pm:</b> Students may take down their projects. <ul style="list-style-type: none"> <li>• ALL PROJECTS MUST remain on display until 1 pm, <b>no exceptions.</b></li> <li>• <b>Please bring your exhibitor badge as identification to remove your project.</b></li> </ul>
<b>Sunday, March 16, 2025</b> <b>Project Takedown Day 2</b> <b>Clean Up</b>	<b>Project Take-Down (Day 2) 10 am: 1 pm.</b> <ul style="list-style-type: none"> <li>• <b>Please bring your exhibitor badge as identification to remove your project.</b></li> <li>• <b>If you can't pick your project up, arrange for someone else to do so. Give that person your badge and a note authorizing removal.</b></li> </ul> <p><b>NOTE:</b> PROJECTS NOT REMOVED BY 1 pm on Sunday, March 16 will be placed to the side until 10am on Monday, March 17. After that they will be discarded, unless prior arrangement is made. Notebooks will be emptied and distributed to schools for re-use.</p>

### Enjoy **FREE ADMISSION** to the San Diego Zoo during Fair Week!

- Free admission is offered **March 10 through March 16, 2025** only
- Offer is extended to student-exhibitors and volunteers only, and does not include family members or friends
- To enter the San Diego Zoo for free, report to any ticket window and show your official GSDSEF name badge and photo ID



**San Diego Zoo  
Wildlife Alliance**

## **SPECIAL RECOGNITION AND THANKS**

The Board of Directors and the Management Committee would like to thank the following individuals, groups and organizations for contributing time, talent, financial support, or in-kind support to our Science Fair.

### **SPONSORS**

#### **Premier Sponsor**

**\$25,000 and up**

Qualcomm

#### **Diamond Sponsors**

**\$15,000: \$24,999**

PECG (Professional Engineers in California Government)

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#### **Platinum Sponsors**

**\$10,000: \$14,999**

ASML

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#### **Silver Sponsors**

**\$2,500: \$4,999**

Collins Aerospace Systems

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#### **Bronze Sponsors**

**\$1,000: \$2,499**

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San Diego Wildlife Alliance

#### **Area Merchants, Businesses, Community Organizations**

San Diego City Parks and Recreation – Balboa Park Activity Center

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## About the Greater San Diego Science & Engineering Fair

### ***Our Mission***

*To provide a forum encouraging young minds in their independent research in science, technology, engineering, and mathematics - and inspiring the next generation of scientific thought, discovery, and innovation.*

The GSDSEF students' STEM achievements showcase how young minds can make an impact in the present and future. ...*Inspirational...motivational...transformative...* For 71 years, the GSDSEF has been encouraging young minds in their pursuits that will define the next generation of scientific thought, discovery, and innovation.

Each year since 1955, the Greater San Diego Science & Engineering Fair (GSDSEF) has provided the students of San Diego and Imperial Counties with a vital opportunity to learn and excel in Science, Technology, Engineering, and Mathematics (STEM). Now in its 71<sup>st</sup> year, the GSDSEF is very pleased to again be holding the 2025 Fair in person after virtual Fairs in 2021 and 2022. As a regional competition, we encourage students to go beyond their classroom studies to do independent research – to ask compelling questions, design and implement innovative solutions, and present and defend their results to more than 250 judges who are professionals in their fields. Winners of the highest GSDSEF awards in the Junior Division (Grades 6-8) and Senior Division (Grades 9-12) have regularly advanced and distinguished themselves in further competitions, including the California Science & Engineering Fair, International Science & Engineering Fair, Thermo Fisher Junior Innovators Challenge, and Regeneron Science Talent Search.

A special thanks goes to teachers and parents for their commitment to support students' project-based STEM learning. The GSDSEF Management Committee also deserves special recognition, as each of its 20+ members put in dozens of hours of work to plan and execute an enjoyable, safe, and rewarding Fair experience for all.

### **Who May Participate in the GSDSEF**

Any student in grade 6 through 12 who attends a public, private, parochial or home school in San Diego County or Imperial County may enter a project for screening and possible participation in the GSDSEF.

### **Awards and Benefits of Participating in the GSDSEF**

- The most important benefit for all student exhibitors is the opportunity to display their projects, meet with other exhibitors, and share projects and results with professional scientists and/or engineers.
- A Certificate of Merit is given to each exhibitor in recognition of his/her efforts. All students receive a Place Award ribbon on stage at the Awards Ceremony.
- First, second and third place ribbon awards are given for projects in each category in both Senior and Junior Divisions.
- Four Senior Division Grand Awards are given—2 each in the Life and Physical Sciences. These students receive monetary awards, plaques, and the opportunity to compete in the Regeneron International Science and Engineering Fair (ISEF) in May.
- Four Junior Division Grand Award winners receive cash awards and plaques.
- Four Senior and Four Junior Division Grand Award *Runners-up* receive cash awards and plaques. The top Senior Division Grand Award Runners Up will also compete in the Regeneron ISEF.
- Other Special Awards, presented on stage during the Awards Ceremony to student exhibitors, include: Taiwanese American Foundation of San Diego (a legacy Grand Award), Collins Aerospace Fred H. Rohr Memorial Award (legacy Special Award), Professional Engineers in California Government Scholarships, Mickey Award, Ronald Domb Memorial Award, Thermo Fisher Science Awards, and the Student Leadership Board Awards.
- Over 25 Professional Societies and other National Society Awards provide special awards and/or scholarships.
- Top projects in Senior and Junior Divisions are nominated and selected to participate in the California Science & Engineering Fair. In Junior Division only, the top 10% are nominated for the Thermo Fisher Scientific Junior Innovators Challenge Award, previously known as Broadcom MASTERS.
- When warranted, a Teacher of the Year Award is given a cash award in honor of Arthur Friedman, a longtime GSDSEF judge.
- Completing and defending a STEM research project distinguishes the student for exhibiting research characteristics much valued by colleges and universities.

## 71<sup>st</sup> Annual Greater San Diego Science & Engineering Fair – 2025



**Four Divisions in the GSDSEF:**  
Junior Division Life Sciences (Grades 6—8); Junior Division Physical Sciences (Grades 6—8)  
Senior Division Life Sciences (Grades 9—12); Senior Division Physical Sciences (Grades 9—12)



### Project Categories

Animal Sciences (ANIM)  
Behavioral and Social Sciences (BEHA)  
Biochemistry (BCHM)  
Biomedical/Health Sciences, and  
Biomedical Engineering (BMDE)  
Cellular and Molecular Biology (CELL)  
Chemistry (CHEM)

Computational Biology and Bioinformatics (CBIO)  
Computer Science and Systems Software (COMP)  
Earth and Environmental Sciences (EAEV)  
Engineering – Electrical, Mechanical, and Robotics (EEMR)

Engineering – Energy, Materials, and Transport (EEMT)  
Mathematics (MATH)  
Microbiology (MICR)  
Physics and Astronomy (PHYS)  
Plant Sciences (PLNT)  
Product Testing (PROD) - Jr Div Only

### How Projects are Invited to Participate in the GSDSEF

To participate in the GSDSEF, students go through a Screening process. Students create a 10-slide digital presentation which is screened by professionals from the science, engineering, technology, and education fields. Projects that are “recommended” are invited to participate. In 2023, screeners reviewed over 520 digital presentations for uniqueness and adequate scientific method/engineering design principles.

### Who Judges the GSDSEF

This year, 250+ judges from the science and education communities evaluate projects and interview students to determine place awards. These judges are scientists, engineers, technology experts, university professors, specialists and retired educators – the majority of whom have doctorates, masters, or bachelor degrees in their respective fields. Judges for Grand Awards have 5 or more years of science fair judging experience. Additionally, 50+ professional societies and organizations provide more than 100 special awards and scholarships.



### Standards for Judging Science Fair Projects

*The GSDSEF projects are judged by Standards aligned with the Regeneron International Science and Engineering Fair.*

#### CREATIVITY:

Originality of problem, uniqueness of approach. The handling and interpretation of data should be commensurate with the grade level of the student. Ingenious use of equipment and materials is considered without regard to the cost of the items involved. The project demonstrates imagination and inventiveness, and often offers different perspectives, new possibilities or new alternatives.

#### SCIENTIFIC THOUGHT/ENGINEERING GOALS – Design and Methodology:

**Scientific Thought:** The project shows evidence of depth of study and effort in employing scientific procedures in the solution of a clearly defined problem including study of background, organized procedures, appropriate sampling, orderly recording and analysis of data and the formulation of logical conclusions. Research question is clear, focused and testable, and identifies contribution to the field of study. There is a well-designed plan with systematic, appropriate and complete data collection methods, defined variables/controls, and conclusions are based on results and data analysis. **Engineering Goals:** The project has a clear objective relevant to the needs of the potential user with defined criteria for the proposed solution. The product/process has been tested, is workable and feasible economically and ecologically, and demonstrates the intended design and objective.

#### THOROUGHNESS:

**Science Projects:** The study is complete within the scope of the problem. Scientific literature has been searched, experiments have been repeated and careful records have been kept. Data collection and analysis is systematic and sufficient with appropriate application of statistical methods to support interpretation and conclusions. **Engineering Projects:** The project demonstrates the development of the process/prototype/model. Prototype has been tested in conditions/trials of intended usage and demonstrates engineering skills.

#### SKILL:

Due credit is given for any special skills needed for the construction or use of equipment and for mathematical, computational, and observational & design skills, as well as whether project has been done at a school laboratory or in a research laboratory, and the degree of any assistance, mentoring, or professional guidance has been given.

#### CLARITY:

The purpose, procedures and conclusion are clearly explained orally and through a display. Graphics and legends are understandable and clear. The project notebook is well organized, neat and accurate, and complete. Sources of ideas, data and assistance are clearly identified and supporting documentation is clearly cited.

#### TEAM PROJECTS:

The tasks and contributions of each team member are clearly outlined, and both team members are familiar with all aspects of the project. The final work reflects the coordinated efforts of both team members.

*The Board of Directors, Management Committee members, and Screeners are volunteers who give their time and expertise to produce the Greater San Diego Science & Engineering Fair.*

**BOARD OF DIRECTORS:**

**Dr. Earl Williams**, NAVWAR – GSDSEF Board of Directors President

**Ms. Vickie Driver**, Zim Biosciences

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**Mr. William Proffer**, Leidos

**Mr. Sany Zakharia**, Qualcomm – GSDSEF Treasurer

\*\*\*\*\*

**Mr. Steve Rodecker**, Science Fair Director

**MANAGEMENT COMMITTEE:**

- **Rose Armour:** Student Participation Process / Screening (**Lead**); Outreach & Guidance; IT
- **Kris Buchanen:** BPAC Setup & Teardown; Statistics & Data Analysis
- **Vickie Driver:** Judge Management (**Lead**); Judging Processes & Guidance; BPAC Setup & Teardown; Affiliated Fairs; IT
- **Jennifer Eveleth:** Judge Management
- **Sam Ferguson:** Awards Ceremony (**Lead**)
- **Lou Fowler:** Statistics & Data Analysis (**Lead**)
- **Sarah Gao:** SLB & Student Guidance (**Lead**); Awards Ceremony
- **Donna Kritz-Silverstein:** Outreach Guidance; Judging Processes & Guidance; Statistics & Data Analysis
- **Gina Martin:** Student Participation Process; Printing, Publications & Signage
- **Nadine Martin:** Parking, Security & Flow (**Lead**); Printing, Publications & Signage
- **Alyssa Mroczek:** Judging Processes & Guidance; Volunteer Recruiting & Guidance; Affiliated Fairs;
- **Sejal Pabari:** Professional Societies Management (**Lead**); Judging Processes & Guidance; Affiliated Fairs; IT
- **Vipul Pabari:** Professional Societies Management; BPAC Setup & Teardown
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- **Steve Rodecker:** Fair Director
- **Hal Slater:** Size/Safety & Student Check-In (**Lead**); Volunteer Recruiting & Guidance
- **Douglas Smith:** Hospitality (**Lead**); Size/Safety & Student Check-In;
- **Adina Sobo:** Printing, Publications & Signage (**Lead**); Awards Ceremony
- **Olivia Tian:** Volunteer Recruiting & Guidance (**Lead**); Parking, Security & Flow
- **Jessica Ulliyot:** Gift Shop & T-Shirts (**Lead**); Student Participation Process; IT; PR/Social Media & History
- **Diane Vermeulen:** BPAC Setup & Teardown
- **Earl Williams:** Judging Processes & Guidance (**Lead**); IT (**Lead**); Judge Management; Awards Ceremony; PR/Social Media & History
- **True Xiong:** Professional Societies Management; Hospitality; Gift Shop & T-Shirts
- **Sany Zakharia:** Affiliated Fairs (**Lead**); PR/Social Media & History (**Lead**); Judge Management; BPAC Setup & Teardown; Awards Ceremony

*The Greater San Diego Science & Engineering Fair Board of Directors would like to give special recognition and appreciation to the Screening Volunteers for the many hours they spent reviewing over 500 submitted project presentations.*

**Screening Volunteers:**

Rose Armour  
Gary Dorrance  
Gina Martin  
Terry Thedell  
Ann Welton  
Jessica Ulliyott  
Hilde van den Bergh



## STUDENT LEADERSHIP BOARD



### Officers

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Vice President of Activities – Leanne Fan  
Vice President of Outreach – Arnav Dagar  
Secretary – Saanvi Dogra  
Treasurer – William Gao

### Student Leadership Board Members:

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Anirudh Kalyanaraman: *Mt. Carmel High*  
Anvay Yadav: *Del Norte High School*  
David He: *Westview High School*  
Dhruv Bantval: *Canyon Crest Academy*  
Dishti Wadhvani: *Del Norte High School*  
Ethan Leem: *Canyon Crest Academy*  
Grace Yao: *The Bishop's School*  
Ihan Sung: *Eastlake High School*  
Jaelyn Liang: *Westview High School*  
Jeyanth Narayan Parthasarathy: *Canyon Crest*

Kate Xu: *Del Norte High School*  
Leanne Fan: *Westview High School*  
Lily Long: *Sage Creek High School*  
Mason Raymond: *Steele Canyon High School*  
Max Lau: *Westview High School*  
Medha Aravind: *Del Norte High School*  
Micah Hall: *Steele Canyon High School*  
Nandana Madhukara: *Canyon Crest Academy*  
Nithika Vivek: *Del Norte High School*  
Parth Saxena: *Scripps Ranch High School*  
Rebecca Leeman: *Torah High School*

Riya Khushu: *Francis Parker School*  
Sarah Gao: *Canyon Crest Academy*  
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Srija Sengupta: *Westview High School*  
Steve Zhang: *Francis Parker School*  
Steven Chen: *Canyon Crest Academy*  
Tanya Mandyam: *Westview High School*  
Virginia Zhu: *Del Norte High School*  
William Gao: *Canyon Crest Academy*  
Zinia Khattar: *Del Norte High School*

### **The Student Leadership Board is the GSDSEF's Honor Society. They:**

- work closely with the Management Committee to help organize and promote the GSDSEF.
- engage in outreach to local schools for boosting interest in STEM and the GSDSEF.
- host eight workshops to guide students through the process of conducting and presenting a STEM project.
- conduct a Peer Mentorship Program with students receiving one-on-one advisory from an SLB member.
- run all GSDSEF social media accounts.
- present at a Science Expo Day to spread the love for STEM to families in the GSDSEF and San Diego communities.
- film tutorial and "how to" videos for the GSDSEF YouTube Channel.
- select two projects for the SLB Awards and present these awards at the Awards Ceremony.

**The SLB is a great place for students from diverse backgrounds to share their passion for STEM in the community.**

**Learn more about the SLB: Message us on:**

Instagram (@gsdsef), Twitter (@gsdsefofficial), Facebook (@sandiegosciencefair), or email ([gsdsefslb@gmail.com](mailto:gsdsefslb@gmail.com)).

**The Student Leadership Board would like to thank for their sponsorship: DRS DAYLIGHT SOLUTIONS**



GREATER SAN DIEGO

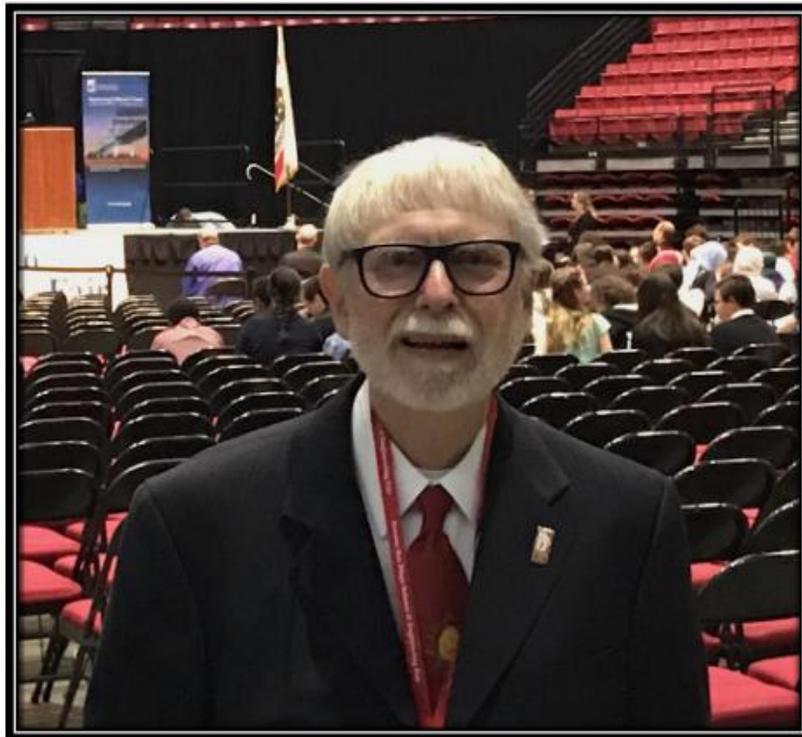
*In Memoriam*

*Phil Gay*

**Fair Director and GSDSEF Board CEO/CFO Emeritus**

Phil Gay was active in the GSDSEF for over 60 years as a teacher, Management Committee Member, Fair Director, and Board Member. His legacy in the GSDSEF is immeasurable. The Science Fair was his passion and mission. He was the voice and face of the Fair for decades, and tens of thousands of San Diego and Imperial County students were positively impacted by Phil. The GSDSEF thanks Phil for his many years of devotion and dedication in making this organization into one of the most successful regional student STEM competitions in the US.

*Phil, you will be missed!*



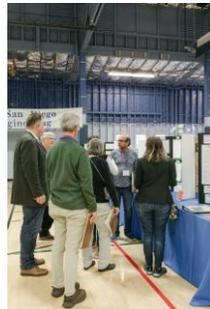
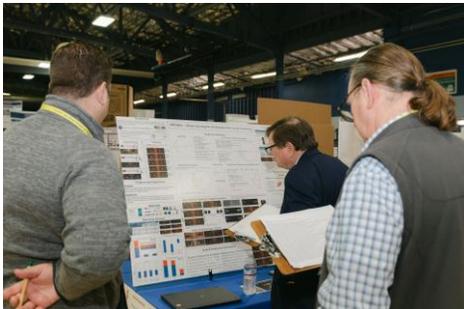
ORGANIZATIONS PROVIDING JUDGES TO THE 71<sup>st</sup> ANNUAL GSDSEF



The GSDSEF thanks the following companies, organizations, and schools for providing judges for the 2025 GSDSEF and would like to express sincere gratitude to the judges for their commitment, dedication, willingness, and flexibility to be a part of this year's judging. There would be no Fair without these dedicated professionals who take the time out of their busy schedules to talk with students, share their own passion for Science, Technology, Engineering, and Math and encourage these talented young minds in their pursuits to be the next generation of scientific and technological discovery and innovation.



- 3D Systems, Inc.
- Amdicit Designs and Consulting
- Aurorae
- Banck Clinical Research Center
- BEN AI
- BEWiSE
- BioLegend
- BIOS Lighting
- Booz Allen Hamilton
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- Inova Diagnostics
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- JPL
- Mesa College
- Mirati ( A BMS company)
- MITRE Corporation
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- Naval Health Research Center
- NIWC Pacific
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- The San Diego Biomedical Research Institute
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- UCSD
- University of San Diego
- University of Virginia
- VCA
- Werfen Autoimmunity
- WuXi Biologics
- ZenobiaTherapeutics/XplorStem



## Professional Society and Recognition Awards

The Greater San Diego Science & Engineering Fair wishes to thank the Professional Societies and Organizations that have sponsored student awards over the years. These awards vary from year to year. Each Professional Society or Organization determines their own judging standards and awards based on their organization's unique criteria. They provide more than 100 special recognition awards and scholarships to students totaling over \$20,000. Professional Societies and Organizations may choose for GSDSEF to distribute awards and scholarships or they may choose to award students at their Society's board meetings or banquets. Eligibility criteria and awards vary greatly; if you would like additional information or wish to sponsor a Professional Society Award, please reach out to the Professional Society Coordinator.

### PROFESSIONAL SOCIETIES AND ORGANIZATIONS

- AFCEA: Armed Forces Communications and Electronics Association
- American Academy of Pediatrics Climate Change & Health Committee
- American Chemical Society: San Diego
- American Institute of Aeronautics and Astronautics
- American Society of Civil Engineers (ASCE)
- American Society of Materials International (ASMI) San Diego Chapter
- American Society of Mechanical Engineers
- American Society of Non Destructive Testing (San Diego Section)
- Association for Women in Science: San Diego
- Building Industry Association Cares
- California Association of Professional Scientists
- California School Nurse Organization: San Diego/Imperial
- DRS Daylight Solutions
- Collins Aerospace Fred H. Rohr Science Award
- General Atomics Sciences Education Foundation
- Kaiser Permanente Blue Ribbon Award
- Marine Technology Society
- Nature Needs SD
- Professional Engineers in California Government
- San Diego Astronomy Association (SDAA)
- San Diego Chapter of the WasteReuse Association
- San Diego County Dental Foundation
- San Diego County Veterinary Medical Association
- San Diego County Water Authority
- San Diego Psychological Association
- Scripps Research Young Scientist Award (SRYS)
- SD Environmental Professionals Group
- Society of American Military Engineers
- Society of Women Engineers, San Diego County Section
- The Biophysical Society
- Thermo Fisher Scientific Equity and Inclusion Award
- Torrey Pines Decent Society

### ISEF AFFILIATED AWARDS:

- American Psychological Association
- Association for Women Geoscientists
- DoD STEM Leadership Prize
- NASA Earth System Science Award
- National Geographic Award
- National Oceanic and Atmospheric Administration "Taking the Pulse of the Planet" Award
- Office of Naval Research (US Navy / US Marine Corps)
- Regeneron Biomedical Science Award
- Ricoh USA, Inc.
- Society for In Vitro Biology
- US Air Force
- US Agency for International Development (USAID)
- US Metric Association
- Yale Science and Engineering Association

### OTHER NATIONAL/INTERNATIONAL AWARDS:

- Lemelson Early Inventor Prize
- Thermo Fisher Scientific Junior Innovators Challenge

*The following Special Awards and Recognitions are presented on stage during the Awards Ceremony:*

- Arthur Friedman Memorial Science Fair Teacher of the Year
- BD Awards for "Advancing the World of Health"
- Broadcom Foundation Coding with Commitment Award
- Collins Aerospace Fred H. Rohr Award
- Grand Awards
- Mickey Award in honor of Ron Mickelson
- Professional Engineers in California Government Scholarships
- RED Award: Ronald E. Domb Memorial Award
- Student Leadership Board (SLB) Awards
- Taiwanese American Foundation of San Diego
- Thermo Fisher Scientific Award

## HIGHLIGHTS from the 2024 GSDSEF

In the 2024: 70<sup>th</sup> Annual Greater San Diego Science and Engineering Fair, we had:

- Over 500 students in San Diego and Imperial Counties submitted proposals for SRC Approval, and 322 completed projects and entered the GSDSEF.
- 314 total student exhibitors went through interviews with the judges
- 176 Junior Division student exhibitors submitted projects: 150 Individual Projects, 26 Team Projects
- 146 Senior Division student exhibitors submitted projects: 109 Individual Projects, 18 Team Projects
- 53 schools participated from San Diego County and Imperial County: 24 schools participated in Junior Division and 29 high schools participated in Senior Division
- 100 projects that qualified for the California Science and Engineering Fair (CSEF)
- 4 Grand Awards in Senior Division and 4 Grand Awards in Junior Division
- 4 Grand Award Runners-Up in Senior Division and 4 Grand Award Runners-Up in Junior Division

### CATEGORY AWARDS:

**Junior Division:** 59 First Place, 63 Second Place, 49 Third Place

**Senior Division:** 59 First Place, 48 Second Place, 37 Third Place

### GRAND AWARDS:

#### Grand Award Winners: Senior Life Sciences

- **Leanne Fan**, Gr. 10, Westview High School: *ISEF FINALIST*
- **Nithika Vivek**, Gr. 10, Del Norte High School: *ISEF FINALIST*

#### Grand Award Winners: Senior Physical Sciences

- **Angelina Kim**, Gr. 11, The Bishop's School: *ISEF FINALIST*
- **Arnav Dagar**, Gr. 10, Canyon Crest Academy: *ISEF FINALIST*

#### Grand Award Runners- Up: Senior Life Sciences

- **Zinia Khattar**, Gr. 11, Del Norte High School, *SEF FINALIST*
- **Sydney Zhang**, Gr. 11, Westview High School

#### Grand Award Runners-Up: Senior Physical Sciences

- **Sarah Gao**, Gr. 11, Canyon Crest Academy: *ISEF FINALIST*
- **Alex Battikha**, Gr. 11, Westview High School

#### The Taiwan Award:

**Alex Battikha**, Gr. 11, Westview High School

#### Grand Award Winners: Junior Life Sciences

**Yaalini Kathiravan and Arunchalam Vinayagam**, Gr. 7 and Gr. 8, Pacific Trails Middle School  
**Steven Chen**, Pacific Trails Middle School, Gr. 8

#### Grand Award Winners: Junior Physical Sciences

**Declan Henckels and Guham Senthil**, Gr. 8 and Gr. 8, Pacific Trails Middle School  
**Oliver Cottrell**, Gr. 6, La Jolla Country Day School

#### Grand Award Runners-Up: Junior Life Sciences

**Bella Schere**, Gr. 8, The Children's School  
**Omar Abdulaziz and Anabia Ehsan**, Gr. 8 and Gr. 7, Thurgood Marshall Middle School

#### Grand Award Runners-Up: Junior Physical Sciences

**Samuel Sternson**, Gr. 8, The Rhoades School  
**Yusra Salem**, Gr. 6, Bright Horizon Academy

**For complete 2023 GSDSEF Results of category award winners, special award winners, and professional society award winners, please check under the About tab on our website, [gsdsef.org](https://gsdsef.org).**

**GSDSEF is an Affiliate of the following:**

Regeneron International Science and Engineering Fair (ISEF)  
California Science and Engineering Fair (CSEF)  
Thermo Fisher Scientific Junior Innovators Challenge

## Highlights from Affiliated Fairs

### REGENERON International Science and Engineering Fair (ISEF) Results:

The Regeneron International Science and Engineering Fair was held on May 11 to May 17, 2024 in Los Angeles. The competition featured nearly 2000 students from across the United States and 70 countries, territories, and regions across the world. Over \$9 million dollars was awarded to finalists at the Special Awards Ceremony and Grand Awards Ceremony. Approximately one third of students receive an Award.



### Regeneron ISEF Grand Awards 2024:

- **Second Award in Translational Medical Science** (\$2,000 Award): Leanne Fan, Westview High School, Grade 10
- **Second Award in Biomedical and Health Sciences** (\$2,000 Award): Zinia Khattar, Del Norte High School, Grade 11
- **Third Award in Engineering Technology: Statistics & Dynamics** (\$1,000): Angelina Kim, The Bishop's School, Grade 11

### Regeneron ISEF 2024 Special Awards Winners:

- **NASA 1st Prize (\$3,000)**: Leanne Fan, Westview High School, Grade 10
- **IEEE Foundation President's Scholarship 1st Prize (\$10,000)**: Angelina Kim, The Bishop's School, Grade 11
- **EPA Patrick H. Hurd Sustainability Award Honorable Mention**: Sarah Gao, Canyon Crest Academy, Grade 11

### Regeneron ISEF 2024 Finalists:

- Arnav Dagar, Canyon Crest Academy, Grade 10
- Nithika Vivek, Del Norte High School, Grade 10



**California Science and Engineering Fair Results:** 100 GSDSEF projects qualified for the California Science and Engineering Fair.

Approximately 900 students participated from all over California. Only one First, Second, Third, and Fourth Awards are given in each category. Categories may award more than one Honorable Mention. 34 projects from the GSDSEF received awards:

- ❖ 20 Junior Division Projects received awards: 6 Firsts, 4 Seconds, 3 Thirds, 1 Fourth, 6 Honorable Mentions
- ❖ 22 Senior Division Projects received awards: 1 First, 4 Seconds, 2 Thirds, 5 Fourths, 10 Honorable Mentions
- ❖ 5 projects won Sponsored Awards presented by outside Sponsor organizations

### Thermo Fisher Scientific Junior Innovators Challenge (TFSJIC) Results

The 2024 TFSJIC had nearly 2000 applicants from 36 states, Puerto Rico, and the U.S. Virgin Islands. From these, the top 300 were selected. The top 30 finalists were then chosen from this group. The finalists travelled to Washington DC to participate in the Finals Week of the competition. Top winners shared \$100,000 in awards.

### TOP 300 Finalists:

- Steven Chen, Grade 8, Pacific Trails Middle School
- Oliver Cottrell, Grade 6, La Jolla Country Day School
- Emily Diep, Grade 8, Connect Academy @ Design 39 Campus
- Jeyanth Narayan Parthasarathy, Grade 8, Pacific Trails Middle School
- Ritam Sen, Grade 8, Francis Parker School
- Samuel Sternson, Grade 8, The Rhoades School

### TOP 30 Finalist:

Oliver Cottrell, 6th Grade, La Jolla Country Day School



## 71st Annual Greater San Diego Science & Engineering Fair - 2025

Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
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### SENIOR DIVISION

#### Senior Division - Animal Sciences (ANIM)

101	Mandyam	Tanya	11	Curcumin Alleviates Inflammatory Responses in an Animal Model of Systemic Inflammation	Westview High School	L. Cox
102	Pitt	Lily	11	The Effects of Loratadine on <i>Dugesia Japonica</i>	Steele Canyon High School	J. Allen
103	Tachibana	Emi	11	Nicotine-Induced Neurotoxicity in Planarian Models: Neuronal Regeneration and Behavior	University City High School	M. Quessenberry
104	Wyatt	Ronald	11	Polystyrene-Based Superworm Frass and Its Theoretical Impact on Plant Nutrition	Eastlake High School	A. Williams
105	Zeng	Sophie	11	From Paws to People: A Statistical Assessment of the Impact of Demographic Factors on Health Outcomes in Companion Dogs	The Bishop's School	M. Jaiclin
106	DeMott	Luke	11	Analysis of <i>E. Fetida</i> Productivity when Provided with Varying Compost-Based Food Sources	La Jolla High School	H. Eaton

#### Senior Division - Behavioral and Social Sciences (BEHA)

111	Arce	Larisa	11	The Utilization of Morals on California High School Students: Connection Between Students Morality and School Academy Performance & Extracurricular Activities	Mater Dei Catholic High School	R. Pryce
112	Ajanovic	Aya	10	Memory Reconstruction	Bright Horizon Academy 9-12	N. Nasereldin
113	Bhalla Im	Nupur Hannah	11 11	The Relationship Between Emotional Intelligence and Academic Burnout in Adolescents	Del Norte High School	J. Cheskaty
114	Diep	Emily	9	Automatic Visual-Acoustic Feedback of Speech Articulation for Children with Speech Sound Disorders	Westview High School	D. Loo
115	D'Souza	Aaron	9	Categorizing Cyber-Attacks: Analysis of Industry, Event-Type, Economic and Criminological Factors	The Cambridge School	M. Mayne
116	Estrada Romero	Adam Dalilah	10 10	The Effect of Social Media On Teenager's Stress Levels	Central Union High School	L. Rueda
117	Feng	Eric	10	Analyzing the Effects of Depression on Twitter Using Multimodel Analysis	The Bishop's School	M. Jaiclin
118	Garcia	Eric	10	Expectations vs. Gender. Which is More Important to Careers?	Central Union High School	L. Rueda

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Behavioral and Social Sciences (BEHA) cont'd</b>						
119	Khushu	Ronit	11	Using AI Based Emotion Recognition to Improve Quality of Life for People with Alexithymia and Autism Disorder	Francis Parker School	J.P. Pierce
120	Lee	Kate	11	Interaction Between ApoE-genotype & Lifestyle Factors with Cognition in a Latino Cohort	Canyon Crest Academy	K. Sevilla
121	Ouchmame	Zackaria	9	The Effects of Social Pressure on Ethical Decision Making	Bright Horizon Academy 9-12	N. Naserelddin
122	Vadi	Ashwin	9	Knowledge, Attitude, Behavior and Practice Towards Microplastic Hazards among Community Dwelling Individuals in the Greater San Diego District	Del Norte High School	A. Callicott
123	Valle	Emiley	11	Implementing Subway Surfers in Slideshow Presentations: Effect on High School Students' Retention	Mater Dei Catholic High School	R. Pryce
124	Zaragoza	Clay	10	Unconscious Racism in Imperial Valley	Central Union High School	L. Rueda

### Senior Division - Biochemistry (BCHM)

131	Bollu Lagisetti	Harshith Samhita	10 11	Optimizing Procedures to Enhance Sesamin Content in Sesame Seeds	Del Norte High School	C. Lagisetti
132	Chalamalasetty Li	Abhiram Anze	11 11	GIN Based Predictions of Potential Inhibitors Targeting Mycobacterium-Tuberculosis InhA Essential for XDR-Strains	Canyon Crest Academy	E. Gerstin

### Senior Division - Biomedical/Health Sciences, and Biomedical Engineering (BMED)

141	Abdulaziz	Omar	9	Smart Dehydration Monitoring Using Wearables: A Real-Time Sensor Fusion App	Scripps Ranch High School	A. Abdurrab
142	Abhyankar	Sara	11	Migraine Bot	Scripps Ranch High School	P. Fowler
143	Arulselvan	Adhiban	9	NeuroStimulate: Home-Based Neuropathy Real-Time Assessment with Vibration, Heat, and Machine Learning Model	Scripps Ranch High School	P. Fowler
144	Dogra	Saanvi	11	Uncovering Molecular Mechanisms for Treatment of Congenital Heart Defects through High-Content Genetic Perturbation Screens	Del Norte High School	A. Callicott
145	Ganji	Vidha Yadav	11	Novel siRNA Inhibitors for Immediate-Early BZLF1 Protein for Epstein-Barr Virus	Del Norte High School	N. Ganji
146	Grapilon	Madeline	10	Development of a 3D Printed Gel Electrophoresis Chamber	Eastlake High School	A. Williams

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Biomedical/Health Sciences, and Biomedical Engineering (BMED) cont'd</b>						
147	Hirman	Leah	11	Testing the Effectiveness of Different Kinds of FDA Approved Sunscreens on an Acetate Film Using a UVA/UVB Light Bulb	Granite Hills High School	D. Hirt
148	Hyun	Jihoo	10	Impact of Hydration, Temperature, and Age on Skin Capacitance and Capacitive Touch Screen Responsiveness	Canyon Crest Academy	K. Sevilla
149	Javier	Andrea	11	The Effect of Bath Ionic Strength on 4-point Bending Properties of Articular Cartilage	La Jolla Country Day School	R. Sah
150	Jian	Jolina	9	Using Piezo Transducers to Break Uric Acid Crystals in Gout	Canyon Crest Academy	M. Zerwekh
151	Kalyanaraman	Anirudh	12	Adverse Cardiovascular Effects of Burn Pit Exposure: The Role of Oxidative Stress	Mt. Carmel High School	H. Kalyanaraman
152	Kan	Lauren	11	Targeting FEN1 for the Treatment of Ewing Sarcoma Family of Tumors	Canyon Crest Academy	M. Liu
153	Kapoor	Sanya	11	Contribution of LMNB2 Overexpression in Brain Cancer (GBM and LGG) Progression	Del Norte High School	S. Kapoor
154	Khushu	Riya	11	Novel Breast Cancer Treatment: Using Gene Expression and Differential Gene Analysis for Personalized Drug Therapy	Francis Parker School	JP. Pierce
155	Kim	Seohyun	11	Smart Massage Chairs with Distributed Microsensor Systems for Personalized and Chronic Physiological Recording	Canyon Crest Academy	K. Shakeri
156	Liang	Donny	9	Aqueous Humor Protein Biomarkers for Predicting Uveal Melanoma Metastasis Risk	Rancho Bernardo High School	R. Outlaw
157	Lim	Ricky	11	Development and Evaluation of Nanoantibody-based Disease Diagnostics	Canyon Crest Academy	E. Gerstin
158	Zeng	Lilian	11	Identifying Bacteriophages, Nature's Own Secret Weapon Against Antibiotic Resistant Bacteria, for Achromobacter	Del Norte High School	H. Xu
159	Zhao	Matthew	11	The Contribution of Sleep Promoting Genes to Brain Volume in Drosophila	Canyon Crest Academy	K. Hare

**Senior Division - Cellular and Molecular Biology (CELL)**

171	Le Nguyen	Maithy William	12 12	Synaptogenesis of Transplanted Inhibitory Neurons in the Adult Primary Visual Cortex	Westview High School	S. Halander
172	Leem	Ethan	10	Paraquat Exposure Induces Microglial Dysfunction Leading to the Loss of Neuronal Neurites	Canyon Crest Academy	K. Shakeri
173	Lim	Claire	10	Mitochondrial and Cellular Mechanisms Underlying Neuronal Degeneration in Parkinson's Disease	Canyon Crest Academy	K. Sevilla

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
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**Senior Division - Cellular and Molecular Biology (CELL) cont'd**

174	Yao	Minghui	11	Illuminating Driving Mechanism of Beneficial Host-Microbe Model: Opsin in Squid-Vibrio Symbiosis	The Bishop's School	L. Keller
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**Senior Division - Chemistry (CHEM)**

181	Capaldi	Charlotte	9	Comparing Cleavage Rates of Modified Nucleosides from a Universal Solid Support	Canyon Crest Academy	E. Gerstin
182	Huang	Lucy	11	Morphological Changes and Kinetic Insights of Copper(I) Oxide Nanocrystals	Torrey Pines High School	E. Aghassi
183	Park Suh	Gurnho Daniel	10 11	Assessing the Separations of a Biodegradable Surfactant Using TLC and Image Processing	Canyon Crest Academy Altus Schools	H. Yoo

**Senior Division - Computational Biology and Bioinformatics (CBIO)**

191	Aravind	Medha	10	NeuroRepurpose: An In Silico Approach to Repurposing Drugs for Multiple Sclerosis Treatment	Del Norte High School	M. Nathan
192	Balam	Riti	11	Using Machine Learning Algorithms to Predict the Molecular Risk Score in GIST Tumors	Francis Parker School	M. Antkowiak
193	Bantval	Dhruv	10	Genetic Features as Predictors of Glioblastoma Treatment Effectiveness	Canyon Crest Academy	K. Hare
194	Bapat	Mihir	10	Multimodal Deep Learning Approach for Brain Tumor Segmentation and Prognostic Prediction	Del Norte High School	A. Callicott
195	Bhatt	Prakruti	11	Quantum Annealing and Deep Learning-Driven Plasma Optimization for Refolding Misfolded Proteins in Neurodegeneration	Del Norte High School	D. Vyas
196	Bojja Maturi	Rohan Nikhil	10 10	Computational Investigation of hIAPP Oligomer Extracellular Cytotoxicity Mechanisms: Novel Therapeutic Prevention of $\beta$ -cell Dysfunction	Del Norte High School	J. Maturi
197	Cai	Ethan	11	Metabolomics-Based Machine Learning Diagnostics of Post-Acute Sequelae of SARS-CoV-2 Infection	Canyon Crest Academy	K. Hare
198	Chen	Hayden	11	EnsemBioDesc: Establishment and Optimization of Molecular Descriptor AI Ensembles for Novel MAPKAPK2 Inhibitor Identification	Del Norte High School	F. Liao
199	Ganji	Vibha Yadav	11	Novel Screening Mechanism for Aggregation Breakers of Alzheimer's Disease A $\beta$ Protofibrils	Del Norte High School	N. Ganji

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Computational Biology and Bioinformatics (CBIO) cont'd</b>						
200	Gao	William	11	Code2Cure: A Novel Pipeline for Multiobjective Cardiovascular Drug Design Using Generative AI, Graph Neural Networks, and Molecular Dynamics	Canyon Crest Academy	H. Lee
201	Goel	Khushee	11	An EEG-Based Approach for Measuring IAD Risk Due to Social Media Overuse	Scripps Ranch High School	P. Fowler
202	Guha	Risha	10	Characterizing Calcium Propagation in Parkinson's Disease Astrocytes through Computer Simulations	Del Norte High School	A. Callicott
203	Hou	Henry	10	Segment-Any-Cell: Supercharging Generalized Cell Segmentation with Diffusion Synthesized Data	The Bishop's School	D. Cameron
204	Huang Huang	Bo-En Bo-Zhi	12 10	CCCDRP: Enhancing Multi-Omics Cancer Drug Response Prediction with Criss-Cross Attention	Westview High School	S. Halander
205	Li Wu	Albert Jacob	11 10	Automated Detection of Glioblastoma in Hyperspectral Imaging through Deep Learning	Westview High School Del Norte High School	C. Sun
206	Liang	Cindy	11	Comparison of Gut Microbiota in Healthy and Alzheimer's Patients	Del Norte High School	I. Tsigelny
207	Liu	Kaelyn	11	A Multi-Scale Digital Twin Model for Liver Aging	Canyon Crest Academy	K. Sevilla
208	Macha	Manasvi	9	A Machine Learning Solution to COPD Exacerbation Prediction	Del Norte High School	L. N. Macha
209	Madhukara	Nandana	12	A Novel Approach to Modeling the Effect of Protein Crowding on Cellular Membrane Shape	Canyon Crest Academy	E. Gerstin
210	Meng	Leo	10	Prototype and Model of a Biological Tri-state Memory Switch in Mammalian Cells	Westview High School	D. MacMartin
211	Menon	Varun	10	Image-Based Machine Learning for Alzheimer's Detection	Canyon Crest Academy	K. Shakeri
212	Nguyen	Tri	11	Predicting Solubility of Drug Molecules Using Machine Learning Models	Canyon Crest Academy	E. Gerstin
213	Oguz	Tarik	11	Small Changes, Big Impact- miRNAs in Lung Cancer Detection	Del Norte High School	J. Cheskaty
214	Pallapotu	Eshika	11	A Novel Classification Model for Alzheimer's Disease Pathogenicity Using Ligand-Receptor Variants and RNA-seq Data	Del Norte High School	R. Pallapotu
215	Parthiban	Sidhaarth	9	Computational Strategies to Examine Cellular Stress-related Gene Patterns in Nicotine Treated Monocytes	Westview High School	S. Halandar

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Computational Biology and Bioinformatics (CBIO) cont'd</b>						
216	Shah	Kush	10	Unraveling ALS: A Computational Approach to Gene Expression and Pathway Analysis	Del Norte High School	K. Shah
217	Shah	Nisarg	11	Accelerating Drug Discovery with a Fragment-Based Machine Learning	Del Norte High School	J. Shah
218	Shi	Ryan	11	Microglial CMPK2 Inhibition as a Novel Therapeutic Strategy for Major Depressive Disorder	The Bishop's School	D. Cameron
219	Srinivasan	Nikhil	9	Developing Quantitative/Computational Models for Optimizing Dosing Regimen of "Targeted Protein Degradator" Drugs and Improving Patient Survival in Breast Cancer	Canyon Crest Academy	M. Zerwekh
220	Tao	Christopher	11	Deep Learning Model for Classification of Brain Tumors	The Bishop's School	M. Jaiclin
221	Thomas	Nisa	9	Modeling Risk Factors for Poor Health in California Counties Utilizing the 2023 County Health Rankings Database	Del Norte High School	J. Shaia
222	Tian	Christina	11	Design Monoclonal Antibody Drugs for Cancer Therapy Using Molecular Simulations	Westview High School	D. MacMartin
223	Tipirneni	Aanika	11	Advancing Epilepsy Detection through MicroRNA Biomarkers: A Machine Learning Solution	Canyon Crest Academy	E. Gerstin
224	Uhegbu Yu	Kellen Ethan	11 10	Utilizing CNN Modeling to Detect Early and Flared Up Eczema	Del Norte High School	C. Uhegbu
225	Vivek	Nithika	11	Deep Learning Based Optimization of Immunoblotting Reaction Conditions	Del Norte High School	M. Sharma
226	Wang	Ryan	10	Using AI for Pericyte Research	Westview High School	S. Halander
227	Weng	Elizabeth	10	The Significance of Tumor Necrosis Factor in Atherosclerosis	Westview High School	D. MacMartin
228	Yadav	Anvay	11	Enhancing Colorectal Cancer Diagnostics through Generative Deep Learning for Multiple Modalities	Del Norte High School	M. Yadav
229	Yu	Linda	11	Structural Analysis of Virulence Factors Between S. aureus Strains MSSA476 and MRSA252	Canyon Crest Academy	E. Garling

**Senior Division - Computer Science and Systems Software (COMP)**

230	Hattar	Harkirat	11	Adaptive Cellular Computation: Redefining the Foundations of Machine Learning and Decentralized AI	Del Norte High School	K. Hattar
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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Computer Science and Systems Software (COMP) cont'd</b>						
241	Bai	Ryan	11	Autonomous Multidrone Navigation and	Canyon Crest Academy	A. Dul
	Tantisira	Brayden	11	Tracking for Cinematic Aerial Filmmaking		
242	Bisain	Aditya	10	Kitchen Manager	Canyon Crest Academy	E. Gerstin
243	Chandra	Neil	10	D-SAFENet - DNS Security and Filtering Engine for Malicious DNS Detection and Classification	Del Norte High School	M. Varma
244	Chen	Andrew	11	Better Plane Detection in 3D Reconstruction	Canyon Crest Academy	K. Hare
	Quan	Joseph	11	from 2D Images		
245	Chen	Jennifer	11	Developing a Website to Assist with	Canyon Crest Academy	K. Sevilla
	Lai	Isabel	11	Dyscalculia Using Deep Learning Image Recognition		
246	Choksi	Advait	10	Evaluating Machine Learning Models for Classifying Lung Cancer Subtypes through CT Scans	Canyon Crest Academy	A. Dul
247	Dagar	Arnav	11	Mapping and Estimating Homelessness	Canyon Crest Academy	K. Hare
248	Dhar	Naveen	11	Fighting Poaching through High Precision Real-Time Gunshot Detection Using Deep Learning and Cross-Unit Communication	High Tech High Mesa	E. Usaha
249	Ekambaram	Nikhil	9	Image Recognition Software to Detect	Del Norte High School	S. Soundarraju
	Svetina	Evan	9	Surgical Tools and Output Coordinates to Robot Arm		
250	Eltepu	Shiven	11	Securing Multi-Agent LLM Systems Via Detection and Mitigation of Poison Propagation	Scripps Ranch High School	P. Fowler
251	Fan	Leanne	12	Building LLM Reasoning Models for Cheap: Salient Reasoning Traces for Cost-Efficient Test-Time Scaling	Westview High School	D. MacMartin
252	Hyun	Jeonghoo	11	Automated Coaching of Basketball Actions Using Keypoint-Aware Action Recognition and Video Processing	Torrey Pines High School	R. Robinette
253	Kintada	Sathwik	9	Leveraging Synthetic Data to Mitigate Racial Bias in Medical Skin Lesion Models	Del Norte High School	R. Kintada
254	Kowsari	Kian	11	Vending Machine Optimization	Scripps Ranch High School	P. Fowler
255	Liang	Jaelyn	10	Spiking Neurons on a Chip - A Biologically-Inspired Neuromorphic-FPGA Architecture for Energy-Efficient AI Applications	Westview High School	D. MacMartin
256	Marwah	Nalin	11	How to Improve Novice Cricketer's "Fast Bowling Action" Using Machine Learning Pose-estimation Model	Del Norte High School	V. Marwah

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Computer Science and Systems Software (COMP) cont'd</b>						
257	Rezaei	Ryan	11	Novel Material Discovery through Geometric Deep Learning and VAE Latent Space Diffusion	Canyon Crest Academy	D. Celniker
258	Shin	Andrew	11	Harmonizing Human Attention and Deep Neural Networks: Gaze-Weighted Attention for Object Recognition	Canyon Crest Academy	E. Gerstin
259	Wang	Yuekai	11	IFEP: A Low-Cost Large Language Model Personalization Framework for Mitigating Food Waste	Rancho Bernardo High School	M. Li
260	Xie	Eric	11	New Approach for Efficient Voice Recognition Using Delay Differential Analysis	Torrey Pines High School	B. Belyea
261	Xing	Ella	11	An Immersion Campus Simulation Protection and Safety Improvement System Using Artificial Intelligence	The Bishop's School	M. Jaiclin
262	Xu	Kayley	10	Wearable Stethoscope Array and Localization & Diagnosis of Cardiopulmonary Sounds	The Bishop's School	M. Jaiclin
263	Zubaidi	Ahmad	9	MindTrack: GPS for Dementia Patients	Bright Horizon Academy 9-12	N. Naserelddin
264	Badal	Rohan	12	Hallucination, Conflation and Ultracrepidarianism in Large Language Models	University City High School	V. Badal
265	Sanchez	Alfonso	9	Using AI to Predict Optimal Baseball Pitch Type Based on Temperature	Extraordinary Private Home School	A. Sanchez

## Senior Division - Earth and Environmental Sciences (EAEV)

271	Cardoso DeWalt	Mia Aaliyah	11	Using Mycoremediation of <i>Hysizygos tessulatus</i> Fungus (Bunapi and Bunashimeji) and <i>Agarius bisporus</i> to Mitigate Oil Spills	Bonita Vista High School	J. Ekstein
272	Chandra	Arthi	11	Plastic that Can Eat Itself? Improving Tensile Strength in Engineered Living Polymers	Canyon Crest Academy	A. Siegel
273	Chen	Steven	9	Nature-Inspired Living Device to Degrade Organic Pollutants in Water	Canyon Crest Academy	T. Agase
274	Estrada	Thalia	11	The Effects of Different Amounts in Charcoal on Phosphate Filtration of the Chula Vista and Otay Lakes Reservoir	Bonita Vista High School	J. Ekstein
275	Farias	Mariana	11	The Effect of Paper, Plastic, and Glass Pollution on Duckweed	Bonita Vista High School	J. Ekstein
276	Luna Yufe	Eva Natasha	11	Examining the Impact of Invasive Compared to Native Species on Soil Health	Bonita Vista High School	J. Ekstein

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Earth and Environmental Sciences (EAEV) cont'd</b>						
277	Montiel	Nina	11	Correlation Between Carbon Monoxide Emissions and Life Expectancy in India	Bonita Vista High School	J. Ekstein
278	Munoz	Esteban	11	Dust Suppression Using Biocementation on Exposed Salton Sea Lakebed	Central Union High School	L. Rueda
279	Murphy Perry	Siffrin Janeiro	10	Optimal Ratio of Superworms in Polystyrene Biodegradation	Health Sciences High and Middle College	J. Bonine
280	Perez	Lisa	11	Effects of Copper, Chromium, and Iron on Imperial Beach vs. La Jolla	Bonita Vista High School	J. Ekstein
281	Rosal	Sophia	11	To What Extent Will Nicotine at Various Concentration Levels Impact <i>Phaseolus vulgaris</i> (Blue Lake Bush Bean) Growth and Germination?	Bonita Vista High School	J. Ekstein
282	Williams	Kaden	11	Tracking Carbon Footprint: Does Awareness Lead to Action?	Eastlake High School	A. Williams
283	Xia	Olina	11	Investigating Carbon Debt and Socio-Environmental Inequality in Transportation Using AI-GIS Modeling	Rancho Bernardo High School	B. Xia
284	Zhang	Austin	11	Smart Park Management: A Drone-Based AI Solution for Vegetation Health and Wildfire Risk Mitigation	Del Norte High School	S. Li
285	Zhu	Virginia	9	Design of a Low-Cost WiFi-Enabled PM2.5 Sensor Network Using IoT for Real-Time Air Quality Monitoring	Del Norte High School	Y. Yu

### Senior Division - Engineering: Electrical, Mechanical, and Robotics (EEMR)

291	He	Daniel	9	Pinhole Optics Imager	Canyon Crest Academy	T. Agase
292	Hong	David	11	Design and Construction of an Innovative Semi-Rigid Lower Limb Exoskeleton	The Bishop's School	M. Jaiclin
293	Mansour	Malik	10	Advanced Robot for Precision Water Leak Detection and Autonomous Repair	High Tech High Mesa	E. Usaha
294	Parthasarathy	Jeyanth Narayan	9	Advanced Terrain-Adaptive Suspension Framework: Leveraging Machine Learning for Optimized Vehicle Dynamics and Adaptive Response	Canyon Crest Academy	E. Gerstin
295	Sadek	Adham	11	AI Based Automated Search & Rescue Unmanned Aerial Vehicle	High Bluff Academy	A. Ashour
296	Siddiqui	Aminah	9	Advancing Cost-Effective Space Exploration Using LESAR (Low Cost Extraterrestrial Surface Analysis Rover)	Bright Horizon Academy 9-12	N. Nasereldin

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Engineering: Electrical, Mechanical, and Robotics (EEMR) cont'd</b>						
297	Sung	Ihan	10	Universal Mass Scale	Eastlake High School	A. Williams
298	Verma	Rahul	11	Optimization of Kinematics and Control of a Coaxial Swerve Omni Based Drive	Del Norte High School	R. Verma
299	Zheng	Chris	10	Optimizing the Performance of Machine Learning Algorithms for UAV-based Search-and-Rescue Systems	The Bishop's School	A. Pelletier
<b>Senior Division - Engineering: Energy, Materials, and Transport (EEMT)</b>						
311	Chandra	Anju	11	Immobilization of Cyanobacteria within Hydrogels Aiding in Purified Protein Drug Delivery	Canyon Crest Academy	K. Shakeri
312	Delgado	Maya	11	The Thermal Resistance of Environmentally Sustainable Insulation Materials vs. Unsustainable Polystyrene Insulation	Bonita Vista High School	J. Ekstein
313	Mahendran	Pranav	9	Utilizing Piezoelectricity to Harness Ocean Waves for Power	Torrey Pines High School	B. Belyea
314	Ray Chaudhuri	Shounak	11	Novel Scalable Multiphase Autonomous Vehicle Systems for Emerging Markets	Francis Parker School	J.P. Pierce
<b>Senior Division - Mathematics (MATH)</b>						
321	Qiu	Nathan	11	Reinforcement Learning Based Simulated Annealing	Canyon Crest Academy	K. Shakeri
322	Ryu	Wonhee	11	Breaking Modern Cryptography by Quantum Computing	Canyon Crest Academy	K. Shakeri
323	Xuan	Kailin	11	Efficient Algorithm and Implementation for Boole Reduction of Large Logic Expressions	The Bishop's School	M. Jaiclin
<b>Senior Division - Microbiology (MCRO)</b>						
331	Foss	Spencer	12	Sucralose Exposed Bacteria's Relationship to Future Increases in Antibiotic Resistance Genes	San Diego Jewish Academy 9-12	P. Hagarman
332	He	David	11	An Integrated Analysis of Marine Polyurethane Microplastic Degradation with Genetically Engineered Bacterial Biofilms	Westview High School	S. Halander
333	Lerman	Ava	9	Effectiveness of Ultrasonic Waves on Cyanobacteria for Algal Bloom Mitigation	San Diego Jewish Academy 9-12	P. Hagraman

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Microbiology (MCRO) cont'd</b>						
334	Reyes Wong	Matthew Emmanuel	10 10	The Effect of Acidity on the Growth of Bacteria (Non Pathogenic E. Coli.)	Central Union High School	L. Rueda
335	Zhang	Amber	10	Designing an Ideal Pseudomonas aeruginosa Nanoparticle Vaccine Focusing on Core and Size	The Bishop's School	E. Bjanes
<b>Senior Division - Physics and Astronomy (PHYS)</b>						
341	Barrett Cervantes	Maryanne Alexa	10 10	Determining the Best Material to Create an Armor	Central Union High School	L. Rueda
342	Chen	Lucas	9	Evaluating Effective Waveform Analysis Methods for Minimizing Background Noise in Pulsar Navigation	Francis Parker School	J.P. Pierce
343	Chen	Trevor	12	Perfecting Infrared Gratings for Polarized and Non-Polarized Applications	Westview High School	S. Halander
344	Choubey	Shubhay	11	MicroNet: A Novel Deep Learning Framework For Exoplanet Classification In Microlensing Events	Del Norte High School	F. Liao
345	Nayak	Aneesh	9	Using N-Body Simulations and Augmented Kepler/TESS Data for a CNN- ML Driven TTV Detection System	Westview High School	S. Halander
346	Sen	Ritam	9	Utilizing Deep Learning to Explore the Physics of Sprinting: A Novel Sprinting Analysis Framework	Francis Parker School	J.P. Pierce
347	Smith	Joe	12	Lost in the Stars: Chemical Tagging of Magellanic Clouds and Accreted Populations	Stanford Online High School	V. Sandoval
348	Sternson	Samuel	9	Optimization of Height and Angle of Repose of Lunar Berms	Canyon Crest Academy	A. Siegel
349	Xie	Joann	10	Predicting Atmospheric Spectra of Exoplanets Using Deep Learning Algorithms	Del Norte High School	J. Cheskaty
<b>Senior Division - Plant Sciences (PLNT)</b>						
361	Acevedo Chaidez	Isabel Roberto	11 11	To What Extent Does Soil Erosion Effect Plant Growth?	Bonita Vista High School	J. Ekstein
362	Bannister	Delilah	11	The Affect of Acid Rain pH Levels 3, 4, and 7 on the Growth and Germination of <i>Triticum aestivum</i>	Bonita Vista High School	J. Ekstein
363	Baruch	Hila	10	<i>Triticum aestivum</i> Seed Response to Electromagnetic and Magnetic Stimuli: A Comparative Investigation	Altus Schools	M. Ramirez

## 71st Annual Greater San Diego Science & Engineering Fair - 2025

Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Senior Division - Plant Sciences (PLNT) cont'd</b>						
364	Berke Hernandez-Ruiz	Jeremy Valeria	11 11	How Effective is Coral-Safe Sunscreen in Protecting Water Plants Like Water-Weed?	Bonita Vista High School	J. Ekstein
365	Dela Cruz	Charissa Myka	11	Investigating the Impact of Buried Plastic on Germination and Growth of <i>Raphanus sativus</i>	Bonita Vista High School	J. Ekstein
366	Luna	Diego	12	Organic Versus Synthetic Soil Affect on the Growth and Germination of Radishes ( <i>Raphanus sativus</i> )	Bonita Vista High School	J. Ekstein
367	Luo	Anna	11	Allelopathic Effects of <i>Cynara cardunculus</i> on Native Coastal Sage Scrub Species	Canyon Crest Academy	K. Shakeri
368	Rodriguez	Nicholas	12	UV-B Radiations impact on Growth and Germination of <i>Triticum aestivum</i> - Cat Grass	Bonita Vista High School	J. Ekstein
369	Rojas	Areli	11	To What Extent Does the Toxicity of Chlorine Affect the <i>Raphanus sativus</i> ?	Bonita Vista High School	J. Ekstein
370	Roman	Andrea	11	The Effect of Microplastics on Elodea Plants	Bonita Vista High School	J. Ekstein
371	Saxena	Parth	11	A Novel AI-Driven Rainfall Monitoring System for Sustainable Irrigation in Developing Regions	Scripps Ranch High School	P. Fowler
372	Tipirneni	Siri	9	From Plants to Ecosystems: Using Nitrogen- 15 to Detect Stress	Canyon Crest Academy	E. Gerstin
373	Vergara	Frida	11	Fluoride vs. Growth: Analyzing Pinto Bean Germination	Bonita Vista High School	J. Ekstein
374	Zhang	Elvin	11	Automated Plant Disease Detection through Multi-sensory Analysis for Space Travel Application	Del Norte High School	J. Cheskaty

## JUNIOR DIVISION

### Junior Division - Animal Sciences (ANIM)

501	Hollmann	Thrace	6	Do Young or Adult Guinea Pigs Learn Faster?	Muirlands Middle School	L. Trombley
502	Rappoport	Joshua	8	Music's Impact on Dogs	San Diego Hebrew Day School	D. Pink
503	Sanchez Sanchez	Eleanor Esther	7 8	Which Light Will Increase Your Height?	Extraordinary Private Home School	S. Sanchez
504	Toor	Sareena	7	Effects of Chemicals Found in Perfumes upon Planarian Head/Tail Development	La Jolla Country Day School	M. Bessler

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Behavioral and Social Sciences (BEHA)</b>						
511	Anello	Dominic	8	The Effects of Physical Activity on Test Scores	The Children's School	D. Quincannon
512	Carver Jacobson-Dill	Jacob Cruz	7 7	Can Humans Identify AI Generated Materials	Mt. Helix Academy	K. MacDonald
513	Cooper	Aaron	8	Does Neurodivergence Affect the Way People See Ambiguous Illusions?	Community Montessori Charter School Carlsbad	I. Cooper
514	Essa	Reem	8	The Role of Learning Styles on Creative vs Analytical Problems	Bright Horizon Academy 6-8	N. Naserelddin
515	Ferry	Aaron	8	Does Sympathy Affect Generosity	San Diego Hebrew Day School	D. Pink
516	Hammad	Ida	8	The Impact of Peer Pressure on Decision-Making	Bright Horizon Academy 6-8	N. Naserelddin
517	Huguely	Raniyah	8	The Effect of Music on Test Performance	City Tree Christian School 6-8	C. Glick
518	Johnson	Jayden	7	The Effect of Age on Human Reaction Time	City Tree Christian School 6-8	C. Glick
519	Karthik	Arjun	7	The Impact of Social Media on Teen Mental Health	Oak Valley Middle School	K. Latonio-Wilson
520	Mughal	Zara	6	Role of Emotional State on Visual and Auditory Perception	Bright Horizon Academy 6-8	N. Naserelddin
521	Ouznali	Duaa	8	Are Bilinguals Cognitively Superior to Monolinguals?	Bright Horizon Academy 6-8	N. Naserelddin
522	Plasencia	Adrian	7	Can AI Trick Humans	Nazareth School	M. Reed
523	Ron	Ayelet	7	The Effect of Music on Arithmetic Abilities	The Bishop's School	K. Kleinertz
524	Salem	Yusra	7	Exploring the Impact of Immersive Vs. Traditional Learning on Student Performance	Bright Horizon Academy 6-8	N. Naserelddin
525	Sternson	Olympia	7	Generational Effects on Resilience from Gen Z to the Greatest Generation	The Rhoades School	R. Hunker
<b>Junior Division - Biochemistry (BCHM)</b>						
541	Bustos	Sebastian	7	Preserving Fruit with Natural Preservatives	Mt. Helix Academy	K. MacDonald
542	Hernandez	Meena	8	Different Sugars in Bread Rising	The Bishop's School	K. Kleinertz
543	Jasim	Reema	8	Will Juice Lose Its Vitamin C and How Can It Be Preserved?	Bright Horizon Academy 6-8	N. Naserelddin

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Biochemistry (BCHM) cont'd</b>						
544	Pyla	Tanvi	8	Personalized Drug Design: Targeting H1 Receptor Mutations to Improve Allergy Treatment	Pacific Trails Middle School	E. Main
545	Silva	Alexia	8	Which Bread will Grow Mold the Fastest?	Chula Vista Middle School	T. Tom
546	Villalobos	Belen	7	La Dolce Vida: The Sweet Life of Bananas	St. Mary's School - El Centro	C. Lizarraga
<b>Junior Division - Biomedical/ Health Sciences, and Biomedical Engineering (BMED)</b>						
551	Broudy	Golda	8	The Effects of Radiofrequency Radiation on the Development of Cancer	San Diego Hebrew Day School	D. Pink
552	Cubukcu	Emel	7	Back to Bach: Our Brain's Perception of Music	Muirlands Middle School	L. Trombley
553	Delgado	Flora	7	The Effect of Different Substances on Tooth Decay	City Tree Christian School 6-8	C. Glick
554	Ehsan	Anabia	8	Reducing Pain and Anxiety During Medical Procedures in Children with Needle Phobia	Thurgood Marshall Middle School	F. Zaman
555	Gorzelski	Nicholas	8	Under Pressure	De Portola Middle School	M. Bridges
556	He	Lawrence	8	Engineering a Functionally Enhanced PD-1 Agonistic Antibody for Improved Autoimmune Disease Treatment	The Bishop's School	B. Barry
557	Kim Park	Hyunggyu JoonWoo	8	Reliable Gaze-Driven Medical Communication Boards Using Consistency Loss with Conjugate Gaze	Pacific Trails Middle School	M. Mareth
558	Mejia	Alitzia	7	Are You Drinking Plastic? Which Water Bottle Type Releases More BPA Under Heat: Thick or Thin Plastic?	Nazareth School	M. Reed
559	Noriega	Nicolas	6	What is the Best Way to Protect Your Skin from Ultra Violet Radiation?	St. Mary's School - El Centro	C. Lizarraga
560	Saha	Karishma	8	Structural Brain Volume Differences Across Cognitive Aging Stages: Evidence from MRI	Bernardo Heights Middle School	C. Mukherjee
561	Valkanov	Martin	7	Eco-Safe Marine Sunscreen: Development and Effectiveness Testing Against Conventional Products	San Diego French American School	A. Mobley
562	Zhang	Amy	8	The Healthy Consumption of Popular Drinks for Teenagers	The Bishop's School	K. Kleinertz

**Junior Division - Cellular and Molecular Biology (CELL)**

571	Palombo Valenzuela	Giovanna Sophia	8	How Does Jellyfish Gene Affect Bacteria?	Eastlake Middle School	G. Carrillo
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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Chemistry (CHEM)</b>						
581	Amin	Ilyas	8	Eco-Friendly Corrosion Inhibitors: The Effectiveness of Plant Extracts in Rust Prevention	Bright Horizon Academy 6-8	N. Nasereldin
582	Chua Jones	Oleisa Kenzie	8 8	How the Quality of Water In Poway Schools Compares to the State and Federal Water Quality Regulations	St. Michael's School - Poway	L. Ray
583	Cordes	Noah	7	Ice Ice Maybe	All Hallows Academy	M. Horvath
584	Croff	Nicholas	7	At Twelve Volts DC, What is the Most Effective Amperage to Etch Copper?	Nazareth School	M. Reed
585	Dougherty	William	7	The Effect of Temperature on pH and Total Dissolved Solids (TDS) in Drinking Water	Mt. Helix Academy	K. MacDonald
586	Gonzales	Camille	7	Fabrics to Dye For: Which Fabrics Stand Out?	Nazareth School	M. Reed
587	Jaiswal	Nityaa	7	Will the Amount of Time You Spend Mixing the Cake Batter Affect the Height of the Cake?	Oak Valley Middle School	P. Hewett
588	Jones	Ari'Yana	6	How Different Liquids Rust Metal OverTime	City Tree Christian School 6-8	C. Glick
589	Mitchell	Ryan	7	The Coke Explosions	Mt. Helix Academy	K. MacDonald
590	Nguyen Nguyen	Kason Katie	6 6	The Recipe for Making the Longest Fizzing Bath Bomb	Mt. Helix Academy	K. MacDonald
591	Niebres	Anthony Jaye	8	Does the Shape of Ice Affect How Long it Takes to Melt?	Chula Vista Middle School	T. Tom
592	Oster	Oliver	8	The Effectiveness of Various Desiccants on Moisture Absorption	The Children's School	T. Brown
593	Parker	Sofia	6	Ratio of Cornstarch to Water and Its Effect on Oobleck	Mt. Helix Academy	K. MacDonald

**Junior Division - Computational Biology and Bioinformatics (CBIO)**

601	Bojja Jian	Ishan Howell	6 6	Congenital Nystagmus Diagnosis with Artificial Intelligence Eye Tracking	Oak Valley Middle School	N. Bojja
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**Junior Division - Computer Science and Systems Software (COMP)**

611	Bantval	Maya	8	Voice-Based Object Detection Device for the Visually Impaired	Pacific Trails Middle School	E. Main
612	Bhatia	Rishabh	7	Applying Image Recognition Algorithms for Identification of Strongylocentrotus Purpuratus	The Rhoades School	R. Hunker

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Computer Science and Systems Software (COMP) cont'd</b>						
613	Bhatt	Arya	6	AMT+: Exploration of Machine Learning Based Automatic Music Transcription Algorithms	Oak Valley Middle School	K. Bhatt
614	Cendana Puentes	Michael Carlos	8 8	Identifying Colors: A Solution for Colorblindness	Eastlake Middle School	J. Kasem
615	Hande	Samarth	8	Strategic Simulations of Warfare in a Multipolar World	Oak Valley Middle School	P. Hande
616	Kathiravan Peiris	Yaalini Dylan	8 8	Ride Safe, Ride Smart: Ensuring E-bike Safety with AI-Based Helmet Monitoring	Pacific Trails Middle School	M. Abelmann
617	Matzen	Rigel	7	Can Prompts Improve ChatGPT Response Consistency?	The Rhoades School	R. Hunker
618	Mohammed	Yusuf	6	Predict Air Quality with Machine Learning	Bright Horizon Academy 6-8	N. Nasereldin

**Junior Division - Earth and Environmental Sciences (EAEV)**

631	Bi	Mia	8	Can Pond Water Purify Wastewater?	La Jolla Country Day School	M. Bessler
632	Blais Samady	Embry Ariana	8 8	Investigating the Effects of Rail Corridor Proximity on Microplastic Beach Pollution	The Rhoades School	R. Hunker
633	Combs	Valerie	7	The Detection of Microplastics in Drinking Water Using Machine Learning	The Bishop's School	K. Kleinertz
634	Feng Xu	Andy Henry	8 8	Mapping Invasive Species with a Drone and Machine Learning Algorithm in San Diego	Pacific Trails Middle School	A. Xu
635	Hendrix	Elise	7	Quantifying the Effects of Interstate Emissions on Local Air Quality	The Rhoades School	R. Hunker
636	Howton Packer	Dustin Daniel	7 7	The Effect of Different Moss Types on a Room's Temperature	The Children's School	T. Brown
637	Jia	Melody	8	Which Types of Straws Decompose the Quickest?	La Jolla Country Day School	M. Bessler
638	Kattamuri	Uma	6	Effect of Increased CO2 Levels on CAM Plant Kalanchoe pH and Stomatal Density	Oak Valley Middle School	S. Gorugantu
639	Kelsey	Skye	8	The Effect of Arthrospira Platensis on Plastic Degradation	The Children's School	T. Brown
640	Lengel	Jake	7	Which Ground Cover Ice Plant Best Slows Erosion, Mesembryanthemum or Delspenma?	Nazareth School	M. Reed
641	Merkey	Olivia	8	Absorbing Oil	Coastal Academy	B. Biernacki

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Earth and Environmental Sciences (EAEV) cont'd</b>						
642	Norman	Cora	8	Is It Possible to Protect Coral Reefs from Sunscreen Using Tennis Balls?	Coastal Academy	B. Biernacki
643	O'Donnell	Sydney	7	Surveying Biodiversity In Various Marine Habitats	The Rhoades School	R. Hunker
644	Qiao	Isabelle	8	Green Roof Technology for Urban Heat Island Reduction	The Bishop's School	K. Kleinertz
645	Snodgrass	Ariana	6	Are Biodegradable Hydrogels Better than Commercially Available Hydrogels?	Mt. Helix Academy	K. MacDonald
646	Spolidoro Sullens	Mila Ava	6 6	Water Filters	St. Michael's School - Poway	K. McHale
647	Waits	Damian	8	San Diego What's In Your Water	Mt. Helix Academy	K. MacDonald
648	Weiser	Nava	8	An Untimely Demise: Reflecting on CO2 Optimization and Algae Growth for a Sustainable Future	San Diego Hebrew Day School	D. Pink
649	Schuh	Chloe	8	Can Eelgrass Remove Toxic Copper Levels from the San Diego Bay?	The Children's School	D. Quincannon

### Junior Division - Engineering: Electrical, Mechanical, and Robotics (EEMR)

661	Akkarakaran	Eric	8	Sensor-Based Irrigation System	St. Michael's School - Poway	D. Jacob
662	Alonso	Agustin	8	Making a Robotic Hand Speak Sign Language	Eastlake Middle School	G. Carrillo
663	Azevedo	Valente	7	Raspberry Eye	Francis Parker School	JP. Pierce
664	Cottrell	Oliver	7	Personalized Homework Tutor Robot	La Jolla Country Day School	M. Bessler
665	Fishler-Barraza	Vincent	8	Hand-Powered Energy: Electromagnetism for Portable Power Generation	Mt. Helix Academy	K. MacDonald
666	Gonzalez Robertson	Alvaro Alec	7 7	V-22 Osprey Downwash During Takeoff	Mt. Helix Academy	K. MacDonald
667	Gordon	Noah	7	Electronic Access Control	Mt. Helix Academy	K. MacDonald
668	Gorman	Andrew	6	We Didn't Start the Fire	Rolling Hills Ranch Academy	S. Gorman
669	Lee Yang	Nathan Matthew	8 8	The Braille Box: Revolutionize Teaching to the Vision-impaired	The Cambridge School High School	M. Mayne
670	Monpays Swigart	Eva Julianna	7 7	DIY Beach Cleaning Robot	San Diego French American School	A. Mobley

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Engineering: Electrical, Mechanical, and Robotics (EEMR) cont'd</b>						
671	Paband	Humayra	8	The Eco-Buoy: An Ocean-Monitoring Smart Buoy	Bright Horizon Academy 6-8	N. Naserelddin
672	Siddiqui	Aishah	6	D3: Diabetic Drink Doctor - A Tri-Sensor Beverage Testing Device for Diabetics	Bright Horizon Academy 6-8	N. Naserelddin
673	Zoch	Ryan	8	The Effects of Sensor Configuration on Autonomous Vehicles	De Portola Middle School	M. Bridges
674	Xu Hu	Andrew Ethan	7 8	Low-cost Portable Braille Embosser for Education	The Bishop's School	B. Barry

<b>Junior Division - Engineering: Energy, Materials, and Transport (EEMT)</b>						
681	Ahmad	Yasmine	6	Engineering a Ramp for Guinea Pigs	Muirlands Middle School	L. Trombley
682	Albertson	Connor	8	A Free Mainsheet	The Children's School	T. Brown
683	Anderson Jr Ballew	Jonathan Tidus	8 8	Balloon Powered Car	Stella Maris Academy	E. Carrano
684	Bi	Amanda	6	The Flexible, Reusable Sound Insulator	La Jolla Country Day School	M. Bessler
685	Burns Kassar	Alexander Charlie	8 7	SKID: A Kid Friendly Way to Get to the Slopes	The Children's School	T. Brown
686	Garcia	Jenna	7	What Materials in Water Filters Work Best to Purify Water?	Nazareth School	M. Reed
687	Goldman	Stella	8	VolleyBlast: An Improved Way to Practice Volleyball on Your Own	The Children's School	T. Brown
688	Hardy	Ellie	7	Cool or Warm? Hot or Cold? How Does Layering Shingles Affect House Temperature?	Nazareth School	M. Reed
689	Hernandez Hoss	Roman Aiden	7 7	Anti-Bird Trash Stealer	The Children's School	T. Brown
690	Juan Gaxiola	Elias	6	How the Quality of Sand and Gravel Affects Concrete Strength	St. Mary's School - El Centro	C. Lizarraga
691	Krishna	SaiPranav	7	Flight Distance	Bernardo Heights Middle School	D. Flynn
692	Lerner	Aiden	8	GPSBall: A Way to Prevent Lost Golf Balls	The Children's School	T. Brown
693	Merten	Niall	6	Improving Solar Panel Efficiency	The Rhoades School	R. Hunker
694	Park	Leia	7	Extending the Life of Dry Erase Markers	The Bishop's School	K. Kleinertz

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Engineering: Energy, Materials, and Transport (EEMT) cont'd</b>						
695	Rupiper Yandell	Nora Katie	6 6	Project RF	St. Michael's School - Poway	K. McHale
696	Thomas	Edward	6	Smart Medication Pouch	St. Michael's School - Poway	K. McHale
697	Wadhvani	Aarav	8	Application of Machine Learning to Decrease Aviation Incident Rates	Oak Valley Middle School	R. Villi
698	Wallace	Spencer	7	Shower Dynamo	La Jolla Country Day School	M. Bessler
699	Wang	Kiley	8	Charger Holders: A Way to Organize and Prevent Damage to Device Chargers	The Children's School	T. Brown
700	Gambhir Kassar	Kaden Ollie	7 7	MegaMolds: Making Old Clothes into Toys	The Children's School	T. Brown

### Junior Division - Mathematics (MATH)

711	Green	Joie	7	May the Best Strategy Win: The Optimal Approach to Battleship	Muirlands Middle School	L. Trombley
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### Junior Division - Microbiology (MCRO)

721	Beraha	Isaac	8	The Effect of UV Light, Blue Light, and Laser Light on Bacteria	San Diego Hebrew Day School	D. Pink
722	Byun Liu	Hayden Olivia	6 6	Can Bacteria Fly?	Solana Pacific La Jolla Country Day	M. Bessler
723	Flora Gallegos	Brittany Stella	6 6	Mold Vs. Burgers	St. Peter the Apostle Catholic School	C. Diem
724	Hammad	Alya	6	How Well Do Disinfectants Work?	Bright Horizon Academy 6-8	N. Nasereldin
725	Hanigan	Julie	8	Which Produces Mold Sooner, Organic or Non Organic Strawberries?	Chula Vista Middle School	T. Tom
726	Hendrix	Austin	8	Investigating Potentially Antibacterial Properties of Mastic Resin and Goldenseal	The Rhoades School	R. Hunker
727	Hensley	Abigail	8	What Kinds of Bacteria are Found in the Waters of Imperial Beach?	Chula Vista Middle School	T. Tom
728	Katari	Aahan	6	Nature's Rinse: How Effective Are Natural Produce Washes?	Oak Valley Middle School	S. Katari
729	Lin	Michael	7	Can Beneficial Bacteria Survive Growth Suppression in the Presence of Antibiotics?	The Rhoades School	R. Hunker
730	Pereira	Veronica	8	Is There Scary Bacteria on Cutting Boards?	Chula Vista Middle School	T. Tom

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Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Microbiology (MCRO) cont'd</b>						
731	Raschtschenia	Stasha	8	Which Room is the Dirtiest?	Mt. Helix Academy	K. MacDonald
732	Sebalj	Keira	7	Spotless Showdown	St. Peter the Apostle Catholic School	C. Diem
733	Snyder	Adina	8	Beneficial Bacteria in the Human Microbiome and its Correlation to Sound Frequencies Microbiology	San Diego Hebrew Day School	D. Pink
734	Way	Eleanor	8	How Does UV Exposure Affect the Growth of Yeast Colonies?	Chula Vista Middle School	T. Tom
<b>Junior Division - Physics and Astronomy (PHYS)</b>						
741	Benz	Matyas	7	Can You Improve the Safety of Driving in the Dark	Nazareth School	M. Reed
742	Boniske	Ines	8	The Effect of Different Pirouette Turn Preparations	San Diego Hebrew Day School	D. Pink
743	Brum	Charles	8	StarSync: Local Orientation Synchronization Device	Elite Academic Academy	D. Brum
744	Factor	Simon	8	Basketball Bounce and Friction	San Diego Hebrew Day School	D. Pink
745	Giby	Timothy	6	Extinguishing Fire Using Sound Waves	St. Michael's School - Poway	K. McHale
746	Giunta-Beeche	Juliette	7	Does the Strength of a Magnet Change with Temperature?	All Hallows Academy	M. Horvath
747	Hendrick Monk	Kayden Annalise	8 8	The Mpemba Effect	Farb Middle School	P. Huntington
748	Jordan	Thomas	7	How Does Court Surface Affect the Bounce of a Tennis Ball?	Nazareth School	M. Reed
749	Karetny	Emma	7	The Effect of Altitude of a Rocket Based on Varying Ratios of Baking Soda to Vinegar	Mt. Helix Academy	K. MacDonald
750	Lara	Adalyn	8	The Effect of Cold Temperatures on Battery Lifespan	De Portola Middle School	M. Bridges
751	Lovette-Colyer	Ella	7	The Effects of Tap Boards on Tap Shoes	Nazareth School	M. Reed
752	Mesnik	Evelyn	7	What Flooring Produces the Most and Least Friction?	Nazareth School	M. Reed
753	Rasmussen	Kekoa	8	The Effect of Scuffing on Wiffle Ball Curve	De Portola Middle School	M. Bridges
754	Roysdon	Penny	6	How Different Substances Affect the Melting Rate of an Ice Cube	City Tree Christian School 6-8	C. Glick

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**Junior Division - Physics and Astronomy (PHYS) cont'd**

755	Tedesco	Giovanni	8	The Different Distances Pickleballs Travel with Different Sized Holes	De Portola Middle School	M. Bridges
756	Stroud-Healey	Franklin	6	Measuring Magnetic Susceptibility of Liquids for Contaminates	Mt. Helix Academy	K. MacDonald

**Junior Division - Plant Sciences (PLNT)**

761	Ax-Keating	Isaac	8	The Salinity Trinity: The Relationship Between Kelp, Temperature, and Salt Levels	San Diego Hebrew Day School	D. Pink
762	Daniels	Gemma	7	What Fertilizer Grows Grass the Best	All Hallows Academy	M. Horvath
763	Delgado	Elena	6	The Effect of Colored Light on Plant Growth	City Tree Christian School 6-8	C. Glick
764	Diep	William	6	Are Genetically Modified Plants a Solution for Farming on Mars?	Connect Academy Poway Unified	C. Matos
765	Gammage	Kennedy	7	Do Sound Vibrations Derived from Classical Music Stimulate Plant	All Hallows Academy	M. Horvath
766	Goel Ye	Leela Luna	8 8	Effects of Salinity on California Coastal Sage Scrub Seed Germination	The Rhoades School	R. Hunker
767	Joby	Maria	6	What Type of Water Helps the Plant Grow?	St. Michael's School - Poway	K. McHale
768	Nair	Vyom	7	Can Expired Vitamin Supplements Be Used to Help Plant Growth?	The Bishop's School	K. Kleinertz
769	Palmer	Will	7	Does Positivity and Negativity Affect Plants?	All Hallows Academy	M. Horvath
770	Roy	Amelie	8	Sustainable Gardening: Kitchen Scraps to Thriving Tomatoes!	San Diego French American School	A. Mobley
771	Wilson	Hannah	7	The Effect of Different Types of Water on Cut Flowers	City Tree Christian School 6-8	C. Glick

**Junior Division - Product Testing (PROD)**

781	Acabado	Jose	8	Drying Textiles	Chula Vista Middle School	T. Tom
782	Andersen	Zachary	8	Decomposition of Compostable Bags and Best Brand for Carrying San Diego's Waste	De Portola Middle School	M. Bridges
783	Barzal	Lily	7	Which Hand Soap is Best for Killing Bacteria?	All Hallows Academy	M. Horvath
784	Bharadwaj Rajagopalan	Harshini Advita	8 8	MoisTRUE - Which Ingredient is Best in Retaining Moisture for Lip Balm?	Oak Valley Middle School	I. Chester

**71st Annual Greater San Diego Science & Engineering Fair - 2025**

Prj ID	Last Name	First Name	Gr	Project Title	School	Teacher/Advisor
<b>Junior Division - Product Testing (PROD) cont'd</b>						
785	Byrne	Jack	7	Which Packaging Material Preserves Heat Longer: Eco Friendly or Not Eco Friendly?	Nazareth School	M. Reed
786	Conway	Sydney	7	Which 40 oz. Stainless Steel Water Bottle Keeps Water Coldest the Longest	Nazareth School	M. Reed
787	Dimenstein	Anael	8	The Effect of Natural Heat Protectant Versus Synthetic Heat Protectant on Hair Tensile Strength and Cells	San Diego Hebrew Day School	D. Pink
788	Forrest	Trevor	7	What is the Stickiest Surf Wax	All Hallows Academy	M. Horvath
789	Gerrity	Miren	6	Do You Need That \$40 Water Bottle?	St. Michael's School - Poway	K. McHale
790	Gordon	Mila	8	Effects of Top and Base Coat on a Manicure	San Diego Hebrew Day School	D. Pink
791	Hall	Eleanor	7	Strongest and Most Eco-Friendly Adhesive for Wood and Model- Making	Nazareth School	M. Reed
792	Kaziha	Mariam	8	Can Beeswax Wrap Replace Plastic Wrap?	De Portola Middle School	M. Bridges
793	Medina	Grace	7	How to Determine the Height in Muffins Between Different Types of Flours	Mt. Helix Academy	K. MacDonald
794	Padron	Carlos	8	Which Brand of Potato Chips Has the Least Grease?	Chula Vista Middle School	T. Tom
795	Parker	Angelina	8	Do Certain Fabrics Absorb Higher Intensities of Heat from the Sun	Mt. Helix Academy	K. MacDonald
796	Samuth	Vela	8	How Does the Amount of Vitamin C Vary in Different Fruit Juices?	De Portola Middle School	M. Bridges
797	Kozo	Auline	7	Do Different Types of Flours Affect Cookie Elevation	All Hallows Academy	M. Horvath
798	Zanani	Gaia	8	Hair Damage from Chlorine	San Diego Hebrew Day School	D. Pink

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Last Name	First Name	Booth	Category	Gr	School	Teacher
Abdulaziz	Omar	141	SR-BMED	9	Scripps Ranch High School	Abdurrab
Abhyankar	Sara	142	SR-BMED	11	Scripps Ranch High School	Fowler
Acabado	Jose	781	JR-PROD	8	Chula Vista Middle School	Tom
Acevedo	Isabel	361	SR-PLNT	11	Bonita Vista High School	Ekstein
Ahmad	Yasmine	681	JR-EEMT	6	Muirlands Middle School	Trombley
Ajanovic	Aya	112	SR-BEHA	10	Bright Horizon Academy 9-12	Naserelddin
Akkarakaran	Eric	661	JR-EEMR	8	St. Michael's School - Poway	Jacob
Albertson	Connor	682	JR-EEMT	8	The Children's School	Brown
Alonso	Agustin	662	JR-EEMR	8	Eastlake Middle School	Carrillo
Amin	Ilyas	581	JR-CHEM	8	Bright Horizon Academy 6-8	Naserelddin
Andersen	Zachary	782	JR-PROD	8	De Portola Middle School	Bridges
Anderson Jr	Jonathan	683	JR-EEMT	8	Stella Maris Academy	Carrano
Anello	Dominic	511	JR-BEHA	8	The Children's School	Quincannon
Aravind	Medha	191	SR-CBIO	10	Del Norte High School	Nathan
Arce	Larisa	111	SR-BEHA	11	Mater Dei Catholic High School	Pryce
Arulsevan	Adhiban	143	SR-BMED	9	Scripps Ranch High School	Fowler
Ax-Keating	Isaac	761	JR-PLNT	8	San Diego Hebrew Day School	Pink
Azevedo	Valente	663	JR-EEMR	7	Francis Parker School	Pierce
Badal	Rohan	264	SR-COMP	12	University City High School	Badal
Bai	Ryan	241	SR-COMP	11	Canyon Crest Academy	Dul
Balam	Riti	192	SR-CBIO	11	Francis Parker School	Antkowiak
Ballew	Tidus	683	JR-EEMT	8	Stella Maris Academy	Carrano
Bannister	Delilah	362	SR-PLNT	11	Bonita Vista High School	Ekstein
Bantval	Dhruv	193	SR-CBIO	10	Canyon Crest Academy	Hare
Bantval	Maya	611	JR-COMP	8	Pacific Trails Middle School	Main
Bapat	Mihir	194	SR-CBIO	10	Del Norte High School	Callicott
Barrett	Maryanne	341	SR-PHYS	10	Central Union High School	Rueda
Baruch	Hila	363	SR-PLNT	10	Altus Schools	Ramirez
Barzal	Lily	783	JR-PROD	7	All Hallows Academy	Horvath
Benz	Matyas	741	JR-PHYS	7	Nazareth School	Reed
Beraha	Isaac	721	JR-MCRO	8	San Diego Hebrew Day School	Pink
Berke	Jeremy	364	SR-PLNT	11	Bonita Vista High School	Ekstein
Bhalla	Nupur	113	SR-BEHA	11	Del Norte High School	Cheskaty
Bharadwaj	Harshini	784	JR-PROD	8	Oak Valley Middle School	Chester
Bhatia	Rishabh	612	JR-COMP	7	The Rhoades School	Hunker
Bhatt	Arya	613	JR-COMP	6	Oak Valley Middle School	Bhatt
Bhatt	Prakruti	195	SR-CBIO	11	Del Norte High School	Vyas
Bi	Amanda	684	JR-EEMT	6	La Jolla Country Day School	Bessler
Bi	Mia	631	JR-EAEV	8	La Jolla Country Day School	Bessler
Bisain	Aditya	242	SR-COMP	10	Canyon Crest Academy	Gerstin
Blais	Embry	632	JR-EAEV	8	The Rhoades School	Hunker
Bojja	Ishan	601	JR-CBIO	6	Oak Valley Middle School	Bojja
Bojja	Rohan	196	SR-CBIO	10	Del Norte High School	Maturi
Bollu	Harshith	131	SR-BCHM	10	Del Norte High School	Lagisetti
Boniske	Ines	742	JR-PHYS	8	San Diego Hebrew Day School	Pink
Broudy	Golda	551	JR-BMED	8	San Diego Hebrew Day School	Pink
Brum	Charles	743	JR-PHYS	8	Elite Academic Academy	Brum
Burns	Alexander	685	JR-EEMT	8	The Children's School	Brown
Bustos	Sebastian	541	JR-BCHM	7	Mt. Helix Academy	MacDonald
Byrne	Jack	785	JR-PROD	7	Nazareth School	Reed
Byun	Hayden	722	JR-MCRO	6	Solana Pacific	Bessler
Cai	Ethan	197	SR-CBIO	11	Canyon Crest Academy	Hare
Capaldi	Charlotte	181	SR-CHEM	9	Canyon Crest Academy	Gerstin
Cardoso	Mia	271	SR-EAEV	11	Bonita Vista High School	Ekstein
Carver	Jacob	512	JR-BEHA	7	Mt. Helix Academy	MacDonald
Cendana	Michael	614	JR-COMP	8	Eastlake Middle School	Kasem
Cervantes	Alexa	341	SR-PHYS	10	Central Union High School	Rueda
Chaidez	Roberto	361	SR-PLNT	11	Bonita Vista High School	Ekstein
Chalamalasetty	Abhiram	132	SR-BCHM	11	Canyon Crest Academy	Gerstin
Chandra	Anju	311	SR-EEMT	11	Canyon Crest Academy	Shakeri
Chandra	Arthi	272	SR-EAEV	11	Canyon Crest Academy	Siegel
Chandra	Neil	243	SR-COMP	10	Del Norte High School	Varma
Chen	Andrew	244	SR-COMP	11	Canyon Crest Academy	Hare
Chen	Hayden	198	SR-CBIO	11	Del Norte High School	Liao
Chen	Jennifer	245	SR-COMP	11	Canyon Crest Academy	Sevilla
Chen	Lucas	342	SR-PHYS	9	Francis Parker School	Pierce
Chen	Steven	273	SR-EAEV	9	Canyon Crest Academy	Agase
Chen	Trevor	343	SR-PHYS	12	Westview High School	Halander

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Last Name	First Name	Booth	Category	Gr	School	Teacher
Choksi	Advait	246	SR-COMP	10	Canyon Crest Academy	Dul
Choubey	Shubhay	344	SR-PHYS	11	Del Norte High School	Liao
Chua	Oleisa	582	JR-CHEM	8	St. Michael's School - Poway	Ray
Combs	Valerie	633	JR-EAEV	7	The Bishop's School	Kleinertz
Conway	Sydney	786	JR-PROD	7	Nazareth School	Reed
Cooper	Aaron	513	JR-BEHA	8	Community Montessori Charter School Carl	Cooper
Cordes	Noah	583	JR-CHEM	7	All Hallows Academy	Horvath
Cottrell	Oliver	664	JR-EEMR	7	La Jolla Country Day School	Bessler
Croff	Nicholas	584	JR-CHEM	7	Nazareth School	Reed
Cubukcu	Emel	552	JR-BMED	7	Muirlands Middle School	Trombley
Dagar	Arnav	247	SR-COMP	11	Canyon Crest Academy	Hare
Daniels	Gemma	762	JR-PLNT	7	All Hallows Academy	Horvath
Dela Cruz	Charissa Myka	365	SR-PLNT	11	Bonita Vista High School	Ekstein
Delgado	Elena	763	JR-PLNT	6	City Tree Christian School 6-8	Glick
Delgado	Flora	553	JR-BMED	7	City Tree Christian School 6-8	Glick
Delgado	Maya	312	SR-EEMT	11	Bonita Vista High School	Ekstein
DeMott	Luke	106	SR-ANIM	11	La Jolla High School	Eaton
DeWalt	Aaliyah	271	SR-EAEV	11	Bonita Vista High School	Ekstein
Dhar	Naveen	248	SR-COMP	11	High Tech High Mesa	Usaha
Diep	Emily	114	SR-BEHA	9	Westview High School	Loo
Diep	William	764	JR-PLNT	6	Connect Academy Poway Unified	Matos
Dimenstein	Anael	787	JR-PROD	8	San Diego Hebrew Day School	Pink
Dogra	Saanvi	144	SR-BMED	11	Del Norte High School	Callicott
Dougherty	William	585	JR-CHEM	7	Mt. Helix Academy	MacDonald
D'Souza	Aaron	115	SR-BEHA	9	The Cambridge School	Mayne
Ehsan	Anabia	554	JR-BMED	8	Thurgood Marshall Middle School	Zaman
Ekambaram	Nikhil	249	SR-COMP	9	Del Norte High School	Soundarraju
Eltepu	Shiven	250	SR-COMP	11	Scripps Ranch High School	Fowler
Essa	Reem	514	JR-BEHA	8	Bright Horizon Academy 6-8	Naserelddin
Estrada	Adam	116	SR-BEHA	10	Central Union High School	Rueda
Estrada	Thalia	274	SR-EAEV	11	Bonita Vista High School	Ekstein
Factor	Simon	744	JR-PHYS	8	San Diego Hebrew Day School	Pink
Fan	Leanne	251	SR-COMP	12	Westview High School	MacMartin
Farias	Mariana	275	SR-EAEV	11	Bonita Vista High School	Ekstein
Feng	Andy	634	JR-EAEV	8	Pacific Trails Middle School	Xu
Feng	Eric	117	SR-BEHA	10	The Bishop's School	Jaiclin
Ferry	Aaron	515	JR-BEHA	8	San Diego Hebrew Day School	Pink
Fishler-Barraza	Vincent	665	JR-EEMR	8	Mt. Helix Academy	MacDonald
Flora	Brittany	723	JR-MCRO	6	St. Peter the Apostle Catholic School	Diem
Forrest	Trevor	788	JR-PROD	7	All Hallows Academy	Horvath
Foss	Spencer	331	SR-MCRO	12	San Diego Jewish Academy 9-12	Hagarman
Gallegos	Stella	723	JR-MCRO	6	St. Peter the Apostle Catholic School	Diem
Gambhir	Kaden	700	JR-EEMT	7	The Children's School	Brown
Gammage	Kennedy	765	JR-PLNT	7	All Hallows Academy	Horvath
Ganji	Vibha Yadav	199	SR-CBIO	11	Del Norte High School	Ganji
Ganji	Vidha Yadav	145	SR-BMED	11	Del Norte High School	Ganji
Gao	William	200	SR-CBIO	11	Canyon Crest Academy	Lee
Garcia	Eric	118	SR-BEHA	10	Central Union High School	Rueda
Garcia	Jenna	686	JR-EEMT	7	Nazareth School	Reed
Gerrity	Miren	789	JR-PROD	6	St. Michael's School - Poway	McHale
Giby	Timothy	745	JR-PHYS	6	St. Michael's School - Poway	McHale
Giunta-Beeche	Juliette	746	JR-PHYS	7	All Hallows Academy	Horvath
Goel	Khushee	201	SR-CBIO	11	Scripps Ranch High School	Fowler
Goel	Leela	766	JR-PLNT	8	The Rhoades School	Hunker
Goldman	Stella	687	JR-EEMT	8	The Children's School	Brown
Gonzales	Camille	586	JR-CHEM	7	Nazareth School	Reed
Gonzalez	Alvaro	666	JR-EEMR	7	Mt. Helix Academy	MacDonald
Gordon	Mila	790	JR-PROD	8	San Diego Hebrew Day School	Pink
Gordon	Noah	667	JR-EEMR	7	Mt. Helix Academy	MacDonald
Gorman	Andrew	668	JR-EEMR	6	Rolling Hills Ranch Academy	Gorman
Gorzelski	Nicholas	555	JR-BMED	8	De Portola Middle School	Bridges
Grapilon	Madelaine	146	SR-BMED	10	Eastlake High School	Williams
Green	Joie	711	JR-MATH	7	Muirlands Middle School	Trombley
Guha	Risha	202	SR-CBIO	10	Del Norte High School	Callicott
Hall	Eleanor	791	JR-PROD	7	Nazareth School	Reed
Hammad	Alya	724	JR-MCRO	6	Bright Horizon Academy 6-8	Naserelddin
Hammad	Ida	516	JR-BEHA	8	Bright Horizon Academy 6-8	Naserelddin
Hande	Samarth	615	JR-COMP	8	Oak Valley Middle School	Hande

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Last Name	First Name	Booth	Category	Gr	School	Teacher
Hanigan	Julie	725	JR-MCRO	8	Chula Vista Middle School	Tom
Hardy	Ellie	688	JR-EEMT	7	Nazareth School	Reed
Hattar	Harkirat	230	SR-COMP	11	Del Norte High School	Hattar
He	Daniel	291	SR-EEMR	9	Canyon Crest Academy	Agase
He	David	332	SR-MCRO	11	Westview High School	Halander
He	Lawrence	556	JR-BMED	8	The Bishop's School	Barry
Hendrick	Kayden	747	JR-PHYS	8	Farb Middle School	Huntington
Hendrix	Austin	726	JR-MCRO	8	The Rhoades School	Hunker
Hendrix	Elise	635	JR-EAEV	7	The Rhoades School	Hunker
Hensley	Abigail	727	JR-MCRO	8	Chula Vista Middle School	Tom
Hernandez	Meena	542	JR-BCHM	8	The Bishop's School	Kleinertz
Hernandez	Roman	689	JR-EEMT	7	The Children's School	Brown
Hernandez Ruiz	Valeria	364	SR-PLNT	11	Bonita Vista High School	Ekstein
Hirman	Leah	147	SR-BMED	11	Granite Hills High School	Hirt
Hollmann	Thrace	501	JR-ANIM	6	Muirlands Middle School	Trombley
Hong	David	292	SR-EEMR	11	The Bishop's School	Jaiclin
Hoss	Aiden	689	JR-EEMT	7	The Children's School	Brown
Hou	Henry	203	SR-CBIO	10	The Bishop's School	Cameron
Howton	Dustin	636	JR-EAEV	7	The Children's School	Brown
Hu	Ethan	674	JR-EEMR	8	The Bishop's School	Barry
Huang	Bo-En	204	SR-CBIO	12	Westview High School	Halander
Huang	Bo-Zhi	204	SR-CBIO	10	Westview High School	Halander
Huang	Lucy	182	SR-CHEM	11	Torrey Pines High School	Aghassi
Huguely	Raniyah	517	JR-BEHA	8	City Tree Christian School 6-8	Glick
Hyun	Jeonghoo	252	SR-COMP	11	Torrey Pines High School	Robinette
Hyun	Jihoo	148	SR-BMED	10	Canyon Crest Academy	Sevilla
Im	Hannah	113	SR-BEHA	11	Del Norte High School	Cheskaty
Jacobson-Dill	Cruz	512	JR-BEHA	7	Mt. Helix Academy	MacDonald
Jaiswal	Nityaa	587	JR-CHEM	7	Oak Valley Middle School	Hewett
Jasim	Reema	543	JR-BCHM	8	Bright Horizon Academy 6-8	Naserelddin
Javier	Andrea	149	SR-BMED	11	La Jolla Country Day School	Sah
Jia	Melody	637	JR-EAEV	8	La Jolla Country Day School	Bessler
Jian	Howell	601	JR-CBIO	6	Oak Valley Middle School	Bojja
Jian	Jolina	150	SR-BMED	9	Canyon Crest Academy	Zerwekh
Joby	Maria	767	JR-PLNT	6	St. Michael's School - Poway	McHale
Johnson	Jayden	518	JR-BEHA	7	City Tree Christian School 6-8	Glick
Jones	Ari'Yana	588	JR-CHEM	6	City Tree Christian School 6-8	Glick
Jones	Kenzie	582	JR-CHEM	8	St. Michael's School - Poway	Ray
Jordan	Thomas	748	JR-PHYS	7	Nazareth School	Reed
Juan Gaxiola	Elias	690	JR-EEMT	6	St. Mary's School - El Centro	Lizarraga
Kalyanaraman	Anirudh	151	SR-BMED	12	Mt. Carmel High School	Kalyanaraman
Kan	Lauren	152	SR-BMED	11	Canyon Crest Academy	Liu
Kapoor	Sanya	153	SR-BMED	11	Del Norte High School	Kapoor
Karetny	Emma	749	JR-PHYS	7	Mt. Helix Academy	MacDonald
Karthik	Arjun	519	JR-BEHA	7	Oak Valley Middle School	Latonio-Wilson
Kassar	Charlie	685	JR-EEMT	7	The Children's School	Brown
Kassar	Ollie	700	JR-EEMT	7	The Children's School	Brown
Katari	Aahan	728	JR-MCRO	6	Oak Valley Middle School	Katari
Kathiravan	Yaalini	616	JR-COMP	8	Pacific Trails Middle School	Abelmann
Kattamuri	Uma	638	JR-EAEV	6	Oak Valley Middle School	Gorugantu
Kaziha	Mariam	792	JR-PROD	8	De Portola Middle School	Bridges
Kelsey	Skye	639	JR-EAEV	8	The Children's School	Brown
Khushu	Riya	154	SR-BMED	11	Francis Parker School	Pierce
Khushu	Ronit	119	SR-BEHA	11	Francis Parker School	Pierce
Kim	Hyunggyu	557	JR-BMED	8	Pacific Trails Middle School	Mareth
Kim	Seohyun	155	SR-BMED	11	Canyon Crest Academy	Shakeri
Kintada	Sathwik	253	SR-COMP	9	Del Norte High School	Kintada
Kowsari	Kian	254	SR-COMP	11	Scripps Ranch High School	Fowler
Kozo	Auline	797	JR-PROD	7	All Hallows Academy	Horvath
Krishna	SaiPranav	691	JR-EEMT	7	Bernardo Heights Middle School	Flynn
Lagiseti	Samhita	131	SR-BCHM	11	Del Norte High School	Lagiseti
Lai	Isabel	245	SR-COMP	11	Canyon Crest Academy	Sevilla
Lara	Adalyn	750	JR-PHYS	8	De Portola Middle School	Bridges
Le	Maithy	171	SR-CELL	12	Westview High School	Halander
Lee	Kate	120	SR-BEHA	11	Canyon Crest Academy	Sevilla
Lee	Nathan	669	JR-EEMR	8	The Cambridge School High School	Mayne
Leem	Ethan	172	SR-CELL	10	Canyon Crest Academy	Shakeri
Lengel	Jake	640	JR-EAEV	7	Nazareth School	Reed

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Last Name	First Name	Booth	Category	Gr	School	Teacher
Lerman	Ava	333	SR-MCRO	9	San Diego Jewish Academy 9-12	Hagraman
Lerner	Aiden	692	JR-EEMT	8	The Children's School	Brown
Li	Albert	205	SR-CBIO	11	Westview High School	Sun
Li	Anze	132	SR-BCHM	11	Canyon Crest Academy	Gerstin
Liang	Cindy	206	SR-CBIO	11	Del Norte High School	Tsigelny
Liang	Donny	156	SR-BMED	9	Rancho Bernardo High School	Outlaw
Liang	Jaelyn	255	SR-COMP	10	Westview High School	MacMartin
Lim	Claire	173	SR-CELL	10	Canyon Crest Academy	Sevilla
Lim	Ricky	157	SR-BMED	11	Canyon Crest Academy	Gerstin
Lin	Michael	729	JR-MCRO	7	The Rhoades School	Hunker
Liu	Kaelyn	207	SR-CBIO	11	Canyon Crest Academy	Sevilla
Liu	Olivia	722	JR-MCRO	6	La Jolla Country Day School	Bessler
Lovette-Colyer	Ella	751	JR-PHYS	7	Nazareth School	Reed
Luna	Diego	366	SR-PLNT	12	Bonita Vista High School	Ekstein
Luna	Eva	276	SR-EAEV	11	Bonita Vista High School	Ekstein
Luo	Anna	367	SR-PLNT	11	Canyon Crest Academy	Shakeri
Macha	Manasvi	208	SR-CBIO	9	Del Norte High School	Macha
Madhukara	Nandana	209	SR-CBIO	12	Canyon Crest Academy	Gerstin
Mahendran	Pranav	313	SR-EEMT	9	Torrey Pines High School	Belyea
Mandyam	Tanya	101	SR-ANIM	11	Westview High School	Cox
Mansour	Malik	293	SR-EEMR	10	High Tech High Mesa	Usaha
Marwah	Nalin	256	SR-COMP	11	Del Norte High School	Marwah
Maturi	Nikhil	196	SR-CBIO	10	Del Norte High School	Maturi
Matzen	Rigel	617	JR-COMP	7	The Rhoades School	Hunker
Medina	Grace	793	JR-PROD	7	Mt. Helix Academy	MacDonald
Mejia	Alitzia	558	JR-BMED	7	Nazareth School	Reed
Meng	Leo	210	SR-CBIO	10	Westview High School	MacMartin
Menon	Varun	211	SR-CBIO	10	Canyon Crest Academy	Shakeri
Merkey	Olivia	641	JR-EAEV	8	Coastal Academy	Biernacki
Merten	Niall	693	JR-EEMT	6	The Rhoades School	Hunker
Mesnik	Evelyn	752	JR-PHYS	7	Nazareth School	Reed
Mitchell	Ryan	589	JR-CHEM	7	Mt. Helix Academy	MacDonald
Mohammed	Yusuf	618	JR-COMP	6	Bright Horizon Academy 6-8	Naserelddin
Monk	Annalise	747	JR-PHYS	8	Farb Middle School	Huntington
Monpays	Eva	670	JR-EEMR	7	San Diego French American School	Mobley
Montiel	Nina	277	SR-EAEV	11	Bonita Vista High School	Ekstein
Mughal	Zara	520	JR-BEHA	6	Bright Horizon Academy 6-8	Naserelddin
Munoz	Esteban	278	SR-EAEV	11	Central Union High School	Rueda
Murphy	Siffrin	279	SR-EAEV	10	Health Sciences High and Middle College	Bonine
Nair	Vyom	768	JR-PLNT	7	The Bishop's School	Kleinertz
Nayak	Aneesh	345	SR-PHYS	9	Westview High School	Halander
Nguyen	Kason	590	JR-CHEM	6	Mt. Helix Academy	MacDonald
Nguyen	Katie	590	JR-CHEM	6	Mt. Helix Academy	MacDonald
Nguyen	Tri	212	SR-CBIO	11	Canyon Crest Academy	Gerstin
Nguyen	William	171	SR-CELL	12	Westview High School	Halander
Niebres	Anthony Jaye	591	JR-CHEM	8	Chula Vista Middle School	Tom
Noriega	Nicolas	559	JR-BMED	6	St. Mary's School - El Centro	Lizarraga
Norman	Cora	642	JR-EAEV	8	Coastal Academy	Biernacki
O'Donnell	Sydney	643	JR-EAEV	7	The Rhoades School	Hunker
Oguz	Tarik	213	SR-CBIO	11	Del Norte High School	Cheskaty
Oster	Oliver	592	JR-CHEM	8	The Children's School	Brown
Ouchmame	Zackaria	121	SR-BEHA	9	Bright Horizon Academy 9-12	Naserelddin
Ouznali	Duaa	521	JR-BEHA	8	Bright Horizon Academy 6-8	Naserelddin
Paband	Humayra	671	JR-EEMR	8	Bright Horizon Academy 6-8	Naserelddin
Packer	Daniel	636	JR-EAEV	7	The Children's School	Brown
Padron	Carlos	794	JR-PROD	8	Chula Vista Middle School	Tom
Pallapotu	Eshika	214	SR-CBIO	11	Del Norte High School	Pallapotu
Palmer	Will	769	JR-PLNT	7	All Hallows Academy	Horvath
Palombo	Giovanna	571	JR-CELL	8	Eastlake Middle School	Carrillo
Park	Gurnho	183	SR-CHEM	10	Canyon Crest Academy	Yoo
Park	JoonWoo	557	JR-BMED	8	Pacific Trails Middle School	Mareth
Park	Leia	694	JR-EEMT	7	The Bishop's School	Kleinertz
Parker	Angelina	795	JR-PROD	8	Mt. Helix Academy	MacDonald
Parker	Sofia	593	JR-CHEM	6	Mt. Helix Academy	MacDonald
Parthasarathy	Jeyanth Narayan	294	SR-EEMR	9	Canyon Crest Academy	Gerstin
Parthiban	Sidhaarth	215	SR-CBIO	9	Westview High School	Halandar
Peiris	Dylan	616	JR-COMP	8	Pacific Trails Middle School	Abelmann
Pereira	Veronica	730	JR-MCRO	8	Chula Vista Middle School	Tom

## 71st Annual Greater San Diego Science & Engineering Fair - 2025

Last Name	First Name	Booth	Category	Gr	School	Teacher
Perez	Lisa	280	SR-EAEV	11	Bonita Vista High School	Ekstein
Perry	Janeiro	279	SR-EAEV	10	Health Sciences High and Middle College	Bonine
Pitt	Lily	102	SR-ANIM	11	Steele Canyon High School	Allen
Plasencia	Adrian	522	JR-BEHA	7	Nazareth School	Reed
Puentes	Carlos	614	JR-COMP	8	Eastlake Middle School	Kasem
Pyla	Tanvi	544	JR-BCHM	8	Pacific Trails Middle School	Main
Qiao	Isabelle	644	JR-EAEV	8	The Bishop's School	Kleinertz
Qiu	Nathan	321	SR-MATH	11	Canyon Crest Academy	Shakeri
Quan	Joseph	244	SR-COMP	11	Canyon Crest Academy	Hare
Rajagopalan	Advita	784	JR-PROD	8	Oak Valley Middle School	Chester
Rappoport	Joshua	502	JR-ANIM	8	San Diego Hebrew Day School	Pink
Raschtschenia	Stasha	731	JR-MCRO	8	Mt. Helix Academy	MacDonald
Rasmussen	Kekoa	753	JR-PHYS	8	De Portola Middle School	Bridges
Ray Chaudhuri	Shounak	314	SR-EEMT	11	Francis Parker School	Pierce
Reyes	Matthew	334	SR-MCRO	10	Central Union High School	Rueda
Rezaei	Ryan	257	SR-COMP	11	Canyon Crest Academy	Celniker
Robertson	Alec	666	JR-EEMR	7	Mt. Helix Academy	MacDonald
Rodriguez	Nicholas	368	SR-PLNT	12	Bonita Vista High School	Ekstein
Rojas	Areli	369	SR-PLNT	11	Bonita Vista High School	Ekstein
Roman	Andrea	370	SR-PLNT	11	Bonita Vista High School	Ekstein
Romero	Dalilah	116	SR-BEHA	10	Central Union High School	Rueda
Ron	Ayelet	523	JR-BEHA	7	The Bishop's School	Kleinertz
Rosal	Sophia	281	SR-EAEV	11	Bonita Vista High School	Ekstein
Roy	Amelie	770	JR-PLNT	8	San Diego French American School	Mobley
Roysdon	Penny	754	JR-PHYS	6	City Tree Christian School 6-8	Glick
Rupiper	Nora	695	JR-EEMT	6	St. Michael's School - Poway	McHale
Ryu	Wonhee	322	SR-MATH	11	Canyon Crest Academy	Shakeri
Sadek	Adham	295	SR-EEMR	11	High Bluff Academy	Ashour
Saha	Karishma	560	JR-BMED	8	Bernardo Heights Middle School	Mukherjee
Salem	Yusra	524	JR-BEHA	7	Bright Horizon Academy 6-8	Naserelddin
Samady	Ariana	632	JR-EAEV	8	The Rhoades School	Hunker
Samuth	Vela	796	JR-PROD	8	De Portola Middle School	Bridges
Sanchez	Alfonso	265	SR-COMP	9	Extraordinary Private Home School	Sanchez
Sanchez	Eleanor	503	JR-ANIM	7	Extraordinary Private Home School	Sanchez
Sanchez	Esther	503	JR-ANIM	8	Extraordinary Private Home School	Sanchez
Saxena	Parth	371	SR-PLNT	11	Scripps Ranch High School	Fowler
Schuh	Chloe	649	JR-EAEV	8	The Children's School	Quincannon
Sebalj	Keira	732	JR-MCRO	7	St. Peter the Apostle Catholic School	Diem
Sen	Ritam	346	SR-PHYS	9	Francis Parker School	Pierce
Shah	Kush	216	SR-CBIO	10	Del Norte High School	Shah
Shah	Nisarg	217	SR-CBIO	11	Del Norte High School	Shah
Shi	Ryan	218	SR-CBIO	11	The Bishop's School	Cameron
Shin	Andrew	258	SR-COMP	11	Canyon Crest Academy	Gerstin
Siddiqui	Aishah	672	JR-EEMR	6	Bright Horizon Academy 6-8	Naserelddin
Siddiqui	Aminah	296	SR-EEMR	9	Bright Horizon Academy 9-12	Naserelddin
Silva	Alexia	545	JR-BCHM	8	Chula Vista Middle School	Tom
Smith	Joe	347	SR-PHYS	12	Stanford Online High School	Sandoval
Snodgrass	Ariana	645	JR-EAEV	6	Mt. Helix Academy	MacDonald
Snyder	Adina	733	JR-MCRO	8	San Diego Hebrew Day School	Pink
Spolidoro	Mila	646	JR-EAEV	6	St. Michael's School - Poway	McHale
Srinivasan	Nikhil	219	SR-CBIO	9	Canyon Crest Academy	Zerwekh
Sternson	Olympia	525	JR-BEHA	7	The Rhoades School	Hunker
Sternson	Samuel	348	SR-PHYS	9	Canyon Crest Academy	Siegel
Stroud-Healey	Franklin	756	JR-PHYS	6	Mt. Helix Academy	MacDonald
Suh	Daniel	183	SR-CHEM	11	Altus Schools	Yoo
Sullens	Ava	646	JR-EAEV	6	St. Michael's School - Poway	McHale
Sung	Ihan	297	SR-EEMR	10	Eastlake High School	Williams
Svetina	Evan	249	SR-COMP	9	Del Norte High School	Soundarraju
Swigart	Julianna	670	JR-EEMR	7	San Diego French American School	Mobley
Tachibana	Emi	103	SR-ANIM	11	University City High School	Quessenberry
Tantisira	Brayden	241	SR-COMP	11	Canyon Crest Academy	Dul
Tao	Christopher	220	SR-CBIO	11	The Bishop's School	Jaclin
Tedesco	Giovanni	755	JR-PHYS	8	De Portola Middle School	Bridges
Thomas	Edward	696	JR-EEMT	6	St. Michael's School - Poway	McHale
Thomas	Nisa	221	SR-CBIO	9	Del Norte High School	Shaia
Tian	Christina	222	SR-CBIO	11	Westview High School	MacMartin
Tipirneni	Aanika	223	SR-CBIO	11	Canyon Crest Academy	Gerstin
Tipirneni	Siri	372	SR-PLNT	9	Canyon Crest Academy	Gerstin

## 71st Annual Greater San Diego Science & Engineering Fair - 2025

Last Name	First Name	Booth	Category	Gr	School	Teacher
Toor	Sareena	504	JR-ANIM	7	La Jolla Country Day School	Bessler
Uhegbu	Kellen	224	SR-CBIO	11	Del Norte High School	Uhegbu
Vadi	Ashwin	122	SR-BEHA	9	Del Norte High School	Callicott
Valenzuela	Sophia	571	JR-CELL	8	Eastlake Middle School	Carrillo
Valkanov	Martin	561	JR-BMED	7	San Diego French American School	Mobley
Valle	Emiley	123	SR-BEHA	11	Mater Dei Catholic High School	Pryce
Vergara	Frida	373	SR-PLNT	11	Bonita Vista High School	Ekstein
Verma	Rahul	298	SR-EEMR	11	Del Norte High School	Verma
Villalobos	Belen	546	JR-BCHM	7	St. Mary's School - El Centro	Lizarraga
Vivek	Nithika	225	SR-CBIO	11	Del Norte High School	Sharma
Wadhvani	Aarav	697	JR-EEMT	8	Oak Valley Middle School	Villi
Waits	Damian	647	JR-EAEV	8	Mt. Helix Academy	MacDonald
Wallace	Spencer	698	JR-EEMT	7	La Jolla Country Day School	Bessler
Wang	Kiley	699	JR-EEMT	8	The Children's School	Brown
Wang	Ryan	226	SR-CBIO	10	Westview High School	Halander
Wang	Yuekai	259	SR-COMP	11	Rancho Bernardo High School	Li
Way	Eleanor	734	JR-MCRO	8	Chula Vista Middle School	Tom
Weiser	Nava	648	JR-EAEV	8	San Diego Hebrew Day School	Pink
Weng	Elizabeth	227	SR-CBIO	10	Westview High School	MacMartin
Williams	Kaden	282	SR-EAEV	11	Eastlake High School	Williams
Wilson	Hannah	771	JR-PLNT	7	City Tree Christian School 6-8	Glick
Wong	Emmanuel	334	SR-MCRO	10	Central Union High School	Rueda
Wu	Jacob	205	SR-CBIO	10	Del Norte High School	Wu
Wyatt	Ronald	104	SR-ANIM	11	Eastlake High School	Williams
Xia	Olina	283	SR-EAEV	11	Rancho Bernardo High School	Xia
Xie	Eric	260	SR-COMP	11	Torrey Pines High School	Belyea
Xie	Joann	349	SR-PHYS	10	Del Norte High School	Cheskaty
Xing	Ella	261	SR-COMP	11	The Bishop's School	Jaiclin
Xu	Andrew	674	JR-EEMR	7	The Bishop's School	Barry
Xu	Henry	634	JR-EAEV	8	Pacific Trails Middle School	Xu
Xu	Kayley	262	SR-COMP	10	The Bishop's School	Jaiclin
Xuan	Kailin	323	SR-MATH	11	The Bishop's School	Jaiclin
Yadav	Anvay	228	SR-CBIO	11	Del Norte High School	Yadav
Yandell	Katie	695	JR-EEMT	6	St. Michael's School - Poway	McHale
Yang	Matthew	669	JR-EEMR	8	The Cambridge School High School	Mayne
Yao	Minghui	174	SR-CELL	11	The Bishop's School	Keller
Ye	Luna	766	JR-PLNT	8	The Rhoades School	Hunker
Yu	Ethan	224	SR-CBIO	10	Del Norte High School	Uhegbu
Yu	Linda	229	SR-CBIO	11	Canyon Crest Academy	Garling
Yufe	Natasha	276	SR-EAEV	11	Bonita Vista High School	Ekstein
Zanani	Gaia	798	JR-PROD	8	San Diego Hebrew Day School	Pink
Zaragoza	Clay	124	SR-BEHA	10	Central Union High School	Rueda
Zeng	Lilian	158	SR-BMED	11	Del Norte High School	Xu
Zeng	Sophie	105	SR-ANIM	11	The Bishop's School	Jaiclin
Zhang	Amber	335	SR-MCRO	10	The Bishop's School	Bjanes
Zhang	Amy	562	JR-BMED	8	The Bishop's School	Kleinertz
Zhang	Austin	284	SR-EAEV	11	Del Norte High School	Li
Zhang	Elvin	374	SR-PLNT	11	Del Norte High School	Cheskaty
Zhao	Matthew	159	SR-BMED	11	Canyon Crest Academy	Hare
Zheng	Chris	299	SR-EEMR	10	The Bishop's School	Pelletier
Zhu	Virginia	285	SR-EAEV	9	Del Norte High School	Yu
Zoch	Ryan	673	JR-EEMR	8	De Portola Middle School	Bridges
Zubaidi	Ahmad	263	SR-COMP	9	Bright Horizon Academy 9-12	Nasereldin

## 2025 School and Teacher/Advisor Directory

The Board of Directors and Management Committee would like to thank the following schools and their teachers or advisors in San Diego and Imperial Counties for their commitment to and support of students in their independent STEM research for the 67<sup>th</sup> Greater San Diego Science and Engineering Fair.

### SENIOR

#### Altus Schools

- M. Ramirez [363]

#### Bonita Vista High School

- J. Ekstein [271, 274, 275, 276, 277, 280, 281, 312, 361, 362, 364, 365, 366, 368, 369, 370, 373]

#### Bright Horizon Academy 9-12

- N. Nasereldin [112, 121, 263, 296]

#### Canyon Crest Academy

- T. Agase [273, 291]
- D. Celniker [257]
- A. Dul [241, 246]
- E. Garling [229]
- E. Gerstin [132, 157, 181, 209, 212, 223, 242, 258, 294, 372]
- K. Hare [159, 193, 197, 244, 247]
- H. Lee [200]
- M. Liu [152]
- K. Sevilla [120, 148, 173, 207, 245]
- K. Shakeri [155, 172, 211, 311, 321, 322, 367]
- A. Siegel [272, 348]
- M. Zerwekh [150, 219]

#### Canyon Crest Academy Altus Schools

- H. Yoo [183]

#### Central Union High School

- L. Rueda [116, 118, 124, 278, 334, 341]

#### Del Norte High School

- A. Callicott [122, 144, 194, 202]
- J. Cheskaty [113, 213, 349, 374]
- N. Ganji [145, 199]
- K. Hattar [230]
- S. Kapoor [153]
- R. Kintada [253]
- C. Lagisetti [131]
- S. Li [284]
- F. Liao [198, 344]
- L. N. Macha [208]
- V. Marwah [256]
- J. Maturi [196]
- M. Nathan [191]
- R. Pallapotu [214]
- J. Shah [217]
- K. Shah [216]
- J. Shaia [221]
- M. Sharma [225]
- S. Soundarraju [249]
- C. Sun [205]
- I. Tsigelny [206]
- C. Uhegbu [224]
- M. Varma [243]
- R. Verma [298]
- D. Vyas [195]
- J Wu [205]
- H. Xu [158]
- M. Yadav [228]
- Y. Yu [285]

#### Eastlake High School

- A. Williams [104, 146, 282, 297]

#### Extraordinary Private Home School

- A. Sanchez [265]

#### Francis Parker School

- M. Antkowiak [192]
- J.P. Pierce [119, 154, 314, 342, 346]

#### Granite Hills High School

- D. Hirt [147]

#### Health Sciences High and Middle College

- J. Bonine [279, 279]

#### High Bluff Academy

- A. Ashour [295]

#### High Tech High Mesa

- E. Usaha [248, 293]

#### La Jolla Country Day School

- R. Sah [149]

#### La Jolla High School

- H. Eaton [106]

#### Mater Dei Catholic High School

- R. Pryce [111, 123]

#### Mt. Carmel High School

- H. Kalyanaraman [151]

#### Rancho Bernardo High School

- M. Li [259]
- R. Outlaw [156]
- B. Xia [283]

#### San Diego Jewish Academy 9-12

- P. Hagarman [331, 333]

#### Scripps Ranch High School

- A. Abdurrab [141]
- P. Fowler [142, 143, 201, 250, 254, 371]

#### Stanford Online High School

- V. Sandoval [347]

#### Steele Canyon High School

- J. Allen [102]

#### The Bishop's School

- E. Bjanes [335]
- D. Cameron [203, 218]
- M. Jaiclin [105, 117, 220, 261, 262, 292, 323]
- L. Keller [174]
- A. Pelletier [299]

#### The Cambridge School

- M. Mayne [115]

#### Torrey Pines High School

- E. Aghassi [182]
- B. Belyea [260, 313]
- R. Robinette [252]

#### University City High School

- V. Badal [264]
- M. Quessenberry [103]

#### Westview High School

- L. Cox [101]
- S. Halandar [215, 171, 171, 204, 226, 332, 343, 345,]
- D. Loo [114]
- D. MacMartin [210, 222, 227, 251, 255,]
- C. Sun [205]

## 2025 School and Teacher/Advisor Directory

### JUNIOR

#### All Hallows Academy

- M. Horvath [583, 746, 762, 765, 769, 783, 788, 797]

#### Bernardo Heights Middle School

- D. Flynn [691]
- C. Mukherjee [560]

#### Bright Horizon Academy 6-8

- N. Nasereldin [514, 516, 520, 521, 524, 543, 581, 618, 671, 672, 724]

#### Chula Vista Middle School

- T. Tom [545, 591, 725, 727, 730, 734, 781, 794]

#### City Tree Christian School 6-8

- C. Glick [517, 518, 553, 588, 754, 763, 771]

#### Coastal Academy

- B. Biernacki [641, 642]

#### Community Montessori Charter School Carlsbad

- I. Cooper [513]

#### Connect Academy Poway Unified

- C. Matos [764]

#### De Portola Middle School

- M. Bridges [555 673 750 753 755 782 792 796]

#### Eastlake Middle School

- G. Carrillo [571, 662]
- J. Kasem [614]

#### Elite Academic Academy

- D. Brum [743]

#### Extraordinary Private Home School

- S. Sanchez [503]

#### Farb Middle School

- P. Huntington [747]

#### Francis Parker School

- JP. Pierce [663]

#### La Jolla Country Day School

- M. Bessler [504, 631, 637, 664, 684, 698]

#### Mt. Helix Academy

- K. MacDonald [512, 541, 585, 589, 590, 593, 645, 647, 665, 666, 667, 731, 749, 756, 793, 795]

#### Muirlands Middle School

- L. Trombley [501, 552, 681, 711]

#### Nazareth School

- M. Reed [522, 558, 584, 586, 640, 686, 688, 741, 748, 751, 752, 785, 786, 791]

#### Oak Valley Middle School

- K. Bhatt [613]
- N. Bojja [601]
- I. Chester [784]
- S. Gorugantu [638]
- S. Katari [728]
- K. Latonio-Wilson [519]
- P. Hande [615]
- P. Hewett [587]
- R. Villi [697]

#### Pacific Trails Middle School

- M. Abelmann [616]
- E. Main [544, 611]
- M. Mareth [557]
- A. Xu [634]

#### Rolling Hills Ranch Academy

- S. Gorman [668]

#### San Diego French American School

- A. Mobley [561, 670, 770]

#### San Diego Hebrew Day School

- D. Pink [502, 515, 551, 648, 721, 733, 742, 744, 761, 787, 790, 798]

#### Solana Pacific La Jolla Country Day

- M. Bessler [722]

#### St. Mary's School - El Centro

- C. Lizarraga [546, 559, 690]

#### St. Michael's School - Poway

- D. Jacob [661]
- K. McHale [646, 695, 696, 745, 767, 789]
- L. Ray [582]

#### St. Peter the Apostle Catholic School

- C. Diem [723, 732]

#### Stella Maris Academy

- E. Carrano [683]

#### The Bishop's School

- B. Barry [556 674]
- K. Kleinertz [523, 542, 562, 633, 644, 694, 768]

#### The Cambridge School High School

- M. Mayne [669]

#### The Children's School

- T. Brown [592, 636, 639, 682, 685, 687, 689, 692, 699, 700]
- D. Quincannon [511, 649]

#### The Rhoades School

- R. Hunker [525, 612, 617, 632, 635, 643, 693, 726, 729, 766]

#### Thurgood Marshall Middle School

- F. Zaman [554]

# 71<sup>st</sup> Annual Greater San Diego Science & Engineering Fair



## Awards Ceremony 2025

March 13, 2025  
The Observatory/North Park Theatre  
2891 University Avenue  
San Diego

## Judging day is **Wednesday, March 12, 2025**

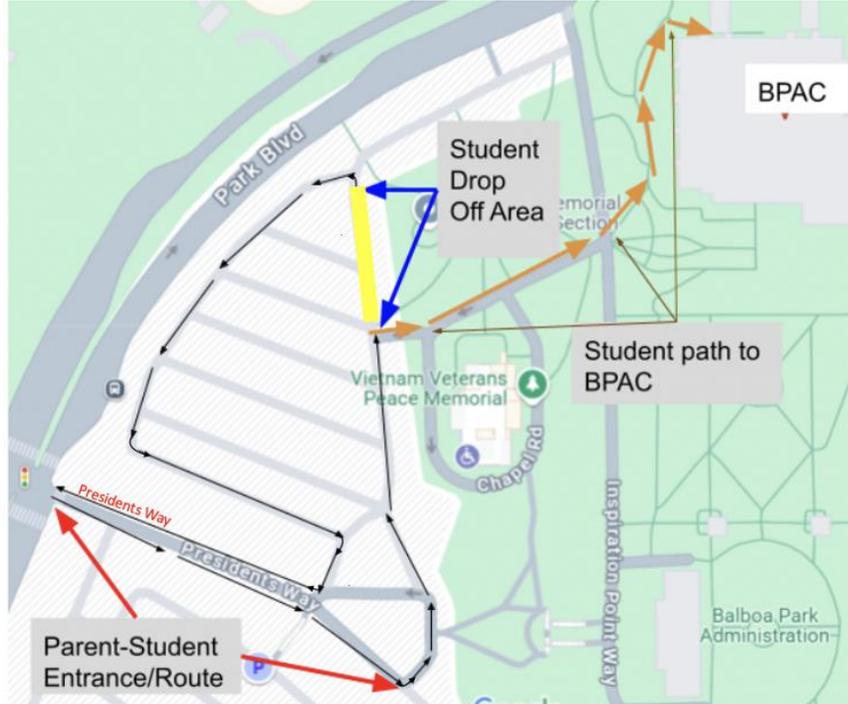
Only Students/Judges allowed during judging!

ALL Students Exhibitors must be present throughout judging, **UNTIL THE END OF ALL JUDGING.**

Dress in appropriate business-like attire. Flat shoes recommended.

**WEAR YOUR NAME BADGE AND BRING YOUR LUNCH**

### **MORNING STUDENT DROP OFF MAP (7:15 to 8:00 AM)**



### **AFTERNOON STUDENT PICK UP MAP (3:00 to 3:30 PM)**

